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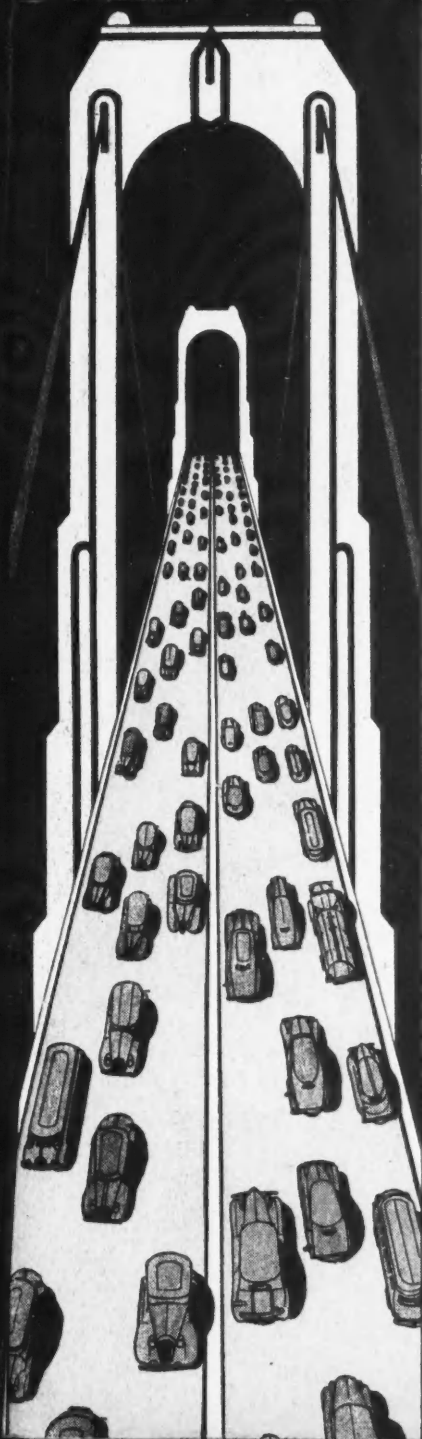
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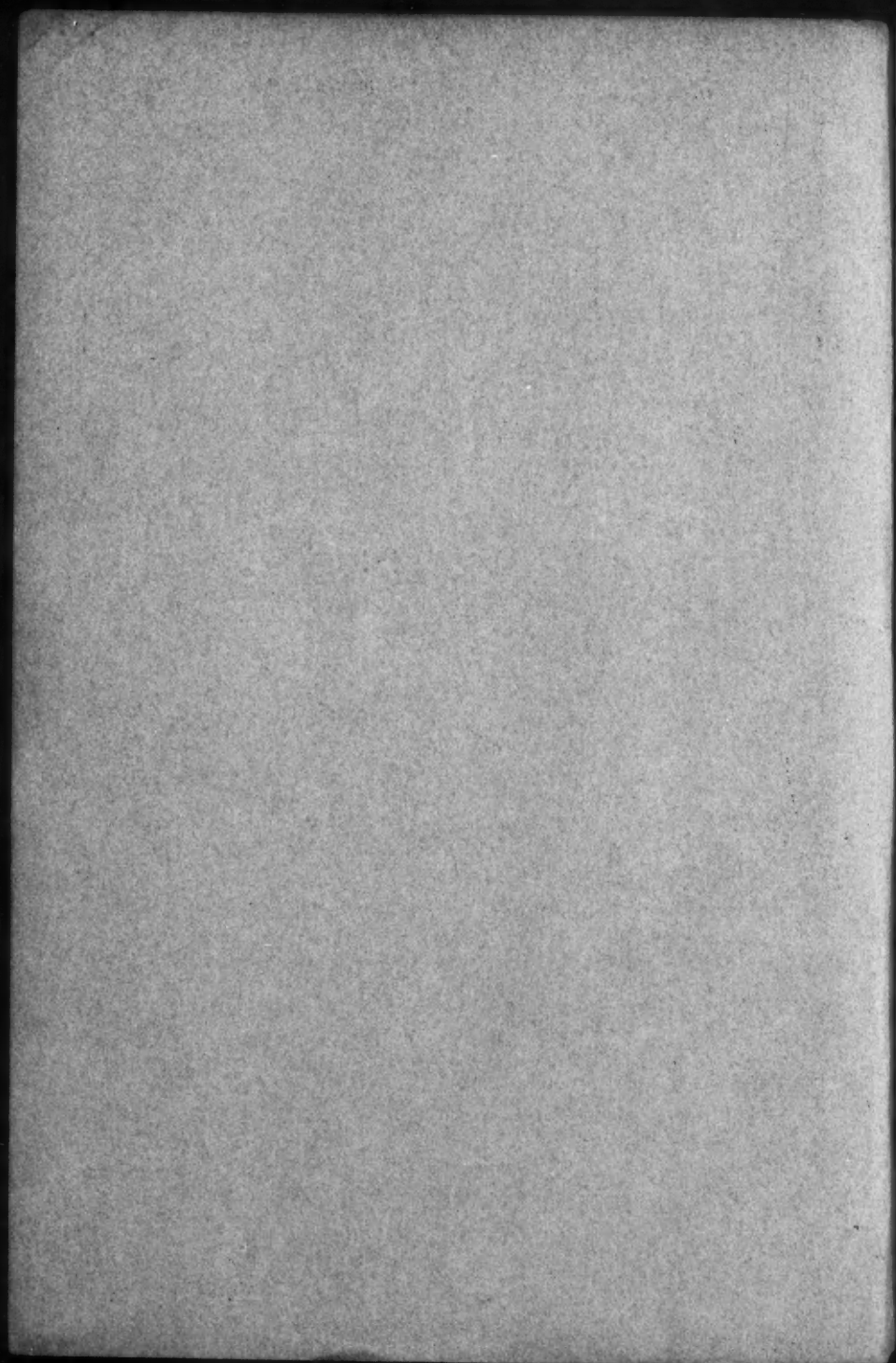
AUTOMOBILE FACTS AND FIGURES

1937 EDITION

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AUTOMOBILE
MANUFACTURERS
ASSOCIATION





Automobile Facts and Figures

1937 EDITION

(Figures for calendar year 1936)

NEW high levels were reached by the motor industry in nineteen hundred thirty-six and first four months of nineteen hundred thirty-seven.

Highway transportation, as measured by motor vehicles in use and gasoline consumption, surpassed all previous peaks.

Retail sales of motor trucks in 1936 exceeded 1935, the best previous year, by seventeen per cent. Passenger car retail sales, however, ran second to 1929. But during the first four months of 1937 retail sales of passenger cars and trucks in the United States chalked up a new high mark for the first four months of the year.

Employment in motor vehicle and parts plants in 1936 gained three per cent over 1929, and the industry's employment stabilization program succeeded in increasing greatly the percentage of employees working forty-six or more weeks during the model year, resulting in an eleven per cent advance in the average individual annual earnings of these "steady" workers and an increase of twenty-seven per cent in the annual earnings of all factory employees.

Taxes on motor vehicle owners reached nearly one and one half billion dollars, which represents one out of every seven tax dollars collected from all sources, Federal, state and local.

AUTOMOBILE MANUFACTURERS ASSOCIATION, INC.

366 Madison Avenue, at 46th Street, New York, N. Y.

Detroit
General Motors Bldg.

Washington, D. C.
Transportation Bldg.

Cable Address: Automakers

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AUTOMOTIVE HISTORY
COLLECTION

Ref as is

Automobile Manufacturers Association, Inc.

366 MADISON AVE., AT 46TH ST., NEW YORK CITY, U. S. A.

Detroit, Mich.
General Motors Building

Washington, D. C.
Transportation Building

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First Vice President ALFRED P. SLOAN, JR. General Motors Corporation
Vice-President CHARLES W. NASH Nash-Kelvinator Corporation
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Vice-President WILLIAM F. MCAFEE International Harvester Company
Commercial Car Division
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(A list of members and committees is given on pages 89-92)

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1936

1937 c.1

in the
Automobile Industry

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Factory Sales (United States and Canada) 4,616,274
Passenger cars, 3,797,897 Trucks 818,377

Wholesale Value, Motor Vehicles, Parts and Tires \$3,959,248,656
Cars (United States and Canada) . . . \$2,092,460,475
Trucks (United States and Canada) . . . 481,961,420
Parts sold by motor vehicle manufacturers (United States and Canada) 362,656,761
Replacement parts, accessories, tires and service equipment 1,022,170,000

Foreign Sales of American Motor Vehicles 508,226

Registration (United States) 28,221,291
Cars 24,197,685 Trucks 4,023,606

Capital Invested (net tangible assets) in Car and Truck Factories \$1,343,368,000

Employment and Wages in U. S.

Number of wage earners in motor vehicle and parts factories 460,000
Wages in motor vehicle and parts factories \$676,000,000
Number employed directly and indirectly in highway transportation . . . 6,037,000

Number of Motor Vehicle Dealers in U. S. 43,461

Total Taxes on Motor Vehicle Owners \$1,448,267,000

Factory Sales and Wholesale Value

(United States and Canada shown from 1921 to date)

	PASSENGER CARS		MOTOR TRUCKS		TOTAL	
	Number	Value	Number†	Value†	Number	Value
1900..	4,192	\$4,899,443	.....	.....	4,192	\$4,899,443
1901..	7,000	8,183,000	.....	.....	7,000	8,183,000
1902..	9,000	10,395,000	.....	.....	9,000	10,395,000
1903..	11,235	13,000,000	.....	.....	11,235	13,000,000
1904..	22,419	23,682,492	411	\$946,947	22,830	24,629,439
1905..	24,550	39,030,000	450	970,000	25,000	40,000,000
1906..	33,500	61,850,000	500	1,050,000	34,000	62,900,000
1907..	43,300	92,040,000	700	1,360,000	44,000	93,400,000
1908..	63,500	135,250,000	1,500	2,550,000	65,000	137,800,000
1909..	127,731	159,918,506	3,255	5,230,023	130,986	165,148,529
1910..	181,000	215,340,000	6,000	9,660,000	187,000	225,000,000
1911..	199,319	225,000,000	10,681	21,000,000	210,000	246,000,000
1912..	356,000	335,000,000	22,000	43,000,000	378,000	378,000,000
1913..	461,500	399,902,000	23,500	44,000,000	485,000	443,902,000
1914..	543,679	413,859,379	25,375	45,098,464	569,054	458,957,843
1915..	895,930	575,978,000	74,000	125,800,000	969,930	701,778,000
1916..	1,525,578	921,378,000	92,130	161,000,000	1,617,708	1,082,378,000
1917..	1,745,792	1,053,505,781	128,157	220,982,668	1,873,949	1,274,488,449
1918..	943,436	801,937,925	227,250	434,168,992	1,170,686	1,236,106,917
1919..	1,657,652	1,461,785,925	275,943	423,326,621	1,933,595	1,885,112,546
1920..	1,905,560	1,809,170,963	321,789	423,249,410	2,227,349	2,232,420,373
†1921..	1,518,061	1,091,752,452	164,304	169,914,098	1,682,365	1,261,666,550
1922..	2,369,089	1,561,740,645	277,140	231,282,063	2,646,229	1,793,022,708
1923..	3,753,945	2,274,554,488	426,505	317,478,940	4,180,450	2,592,033,428
1924..	3,303,646	2,040,706,519	434,140	326,706,496	3,737,786	2,367,413,015
1925..	3,870,744	2,544,528,799	557,056	470,634,763	4,427,800	3,015,163,562
1926..	3,948,843	2,746,064,722	556,818	468,752,769	4,505,661	3,214,817,491
1927..	3,083,360	2,265,633,102	497,020	435,072,641	3,580,380	2,700,705,743
1928..	4,012,158	2,703,753,500	588,983	459,045,380	4,601,141	3,162,798,880
1929..	4,794,898	2,981,141,842	826,817	595,504,039	5,621,715	3,576,645,881
1930..	2,910,187	1,720,652,104	599,991	405,949,915	3,510,178	2,126,602,019
1931..	2,038,183	1,153,907,947	434,176	272,748,305	2,472,359	1,426,656,252
1932..	1,186,185	650,781,297	245,282	142,264,003	1,431,467	793,045,300
1933..	1,627,361	795,304,780	358,548	192,131,509	1,985,909	987,436,289
1934..	2,270,566	1,204,376,351	599,397	332,913,985	2,869,963	1,537,290,336
1935..	3,387,806	1,788,635,180	732,005	399,211,522	4,119,811	2,187,846,702
1936..	3,797,897	2,092,460,475	818,377	481,961,420	4,616,274	2,574,421,895

Foreign assemblies of parts made in U. S. but assembled abroad are included in this table.

†Figures for 1921 to date are "factory sales" for U. S. plants and "production" for Canadian plants. See page 9 for Canadian production and wholesale value.

†A substantial part of the trucks reported comprises chassis only, without body; hence the value of bodies for these chassis is not included.

Annual Percentage Change in Factory Sales

Year	Passenger Cars	Motors Trucks	Total	Year	Passenger Cars	Motors Trucks	Total
1924..	-12.0%	1.8%	-10.6%	1930..	-39.3%	-27.4%	-37.6%
1925..	17.2%	28.3%	18.5%	1931..	-29.9%	-27.6%	-29.6%
1926..	2.0%	-0.4%	1.8%	1932..	-41.8%	-43.5%	-42.1%
1927..	-21.9%	-10.7%	-20.5%	1933..	37.2%	46.2%	38.7%
1928..	30.1%	18.5%	28.5%	1934..	39.5%	67.2%	44.5%
1929..	19.5%	40.4%	22.2%	1935..	49.1%	22.2%	43.6%
				1936..	12.1%	11.8%	12.1%

(-) means decrease.

Monthly Motor Vehicle Factory Sales

United States and Canada

(Figures from U. S. Census Bureau,* and Dominion Bureau of Statistics)

Passenger Car Factory Sales

Year	1930	1931	1932	1933	1934	1935	1936
Jan...	242,672	142,869	101,915	112,754	117,700	235,806	308,589
Feb...	293,036	187,948	98,604	93,153	193,875	287,142	234,872
Mar...	348,087	241,727	106,003	103,396	291,546	377,374	357,068
April...	393,804	300,960	126,597	156,712	303,806	407,721	436,576
May...	382,619	282,096	165,025	188,675	290,268	322,485	401,139
June...	298,130	215,979	166,646	213,602	272,090	306,300	388,183
July...	230,761	187,324	101,478	196,587	231,501	283,715	379,823
Aug...	190,864	158,851	79,073	196,333	190,825	186,133	212,140
Sept...	182,049	111,336	66,489	161,734	129,251	59,499	92,324
Oct...	117,014	59,176	37,468	107,593	86,128	220,113	194,690
Nov...	104,668	49,996	49,201	43,868	50,072	347,830	351,171
Dec...	126,483	99,921	87,710	52,954	113,504	353,688	441,322
Total.	2,910,187	2,038,183	1,186,209	1,627,361	2,270,566	3,387,806	3,797,897

Motor Truck Factory Sales

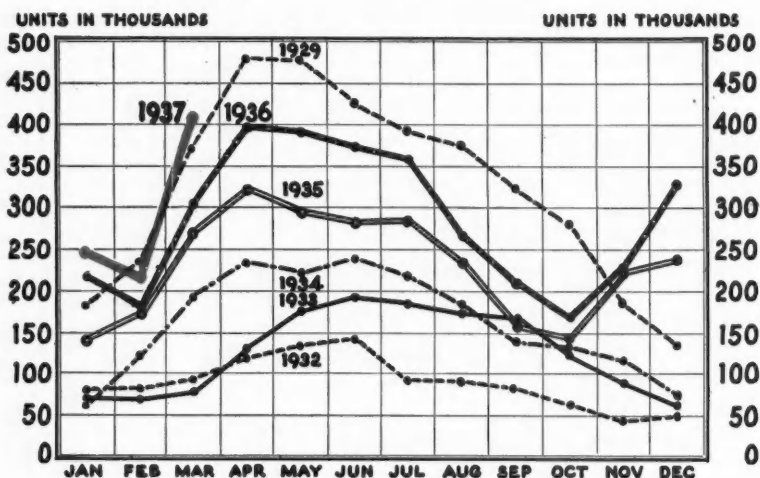
Year	1930	1931	1932	1933	1934	1935	1936
Jan...	40,938	35,475	21,160	19,429	44,870	64,529	68,655
Feb...	52,925	41,863	24,291	15,592	44,952	63,204	65,938
Mar...	69,031	47,671	21,274	18,508	61,068	70,520	81,875
April...	74,477	53,138	28,539	27,975	67,532	69,338	91,049
May...	62,080	47,805	27,491	35,132	60,348	59,324	79,379
June...	51,466	41,496	23,572	43,448	48,292	65,785	81,185
July...	44,960	35,386	15,137	39,310	44,546	61,582	71,383
Aug...	43,296	32,890	15,319	42,601	53,890	58,942	63,794
Sept...	46,557	31,876	20,003	35,874	46,335	33,229	47,496
Oct...	41,928	22,406	14,157	30,772	49,643	60,203	35,359
Nov...	37,493	20,118	12,560	19,106	35,107	60,720	54,628
Dec...	34,840	24,052	21,782	30,801	42,814	64,629	77,636
Total.	599,991	434,176	245,285	358,548	599,397	732,005	818,377

Passenger Car and Truck Factory Sales

Year	1930	1931	1932	1933	1934	1935	1936
Jan...	283,610	178,344	123,075	132,183	162,570	300,335	377,244
Feb...	345,961	229,811	122,895	108,745	238,827	350,346	300,810
Mar...	417,118	289,398	127,277	121,904	352,614	447,894	438,943
Apr...	468,281	354,098	155,136	184,687	371,338	477,059	527,625
May...	444,699	329,901	192,516	223,807	350,616	381,809	480,518
June...	349,596	257,475	190,218	257,050	320,382	372,085	469,368
July...	275,721	222,710	116,615	235,897	276,047	345,297	451,206
Aug...	234,160	191,741	94,392	238,934	244,715	245,075	275,934
Sept...	228,606	143,212	86,492	197,608	175,586	92,728	139,820
Oct...	158,942	81,582	51,625	138,365	135,771	280,316	230,049
Nov...	142,161	70,114	61,761	62,974	85,179	408,550	405,799
Dec...	161,323	123,973	109,472	83,755	156,318	418,317	518,958
Total.	3,510,178	2,472,359	1,431,494	1,985,909	2,869,963	4,119,811	4,616,274

*Includes overseas assemblies of motor vehicles of American make.

New Passenger Car Registrations by Months



Motor Vehicle Factory Sales to Domestic and Foreign Markets

"Domestic market" represents sales to distributors and dealers in the United States, and "foreign market" includes exports from U. S. factories plus number of vehicles assembled abroad from parts produced in U. S. plants. Canadian production is not included.

PASSENGER CARS

	Total	Domestic Market	Foreign Market
1922.....	2,274,185	2,165,759	108,426
1923.....	3,624,717	3,449,559	175,158
1924.....	3,185,881	2,968,712	217,169
1925.....	3,735,171	3,419,078	316,093
1926.....	3,783,987	3,494,852	289,135
1927.....	2,936,533	2,604,574	331,959
1928.....	3,815,417	3,396,572	418,845
1929.....	4,587,400	4,136,321	451,079
1930.....	2,784,745	2,536,981	247,764
1931.....	1,973,090	1,839,042	134,048
1932.....	1,135,491	1,062,602	72,889
1933.....	1,573,512	1,475,357	98,155
1934.....	2,177,919	1,993,763	184,156
1935.....	3,252,244	3,041,877	210,367
1936.....	3,669,528	3,458,051	217,477

MOTOR TRUCKS

	Total	Domestic Market	Foreign Market
1922.....	269,991	247,518	22,473
1923.....	409,295	349,270	60,025
1924.....	416,659	340,679	75,980
1925.....	530,659	418,065	112,594
1926.....	516,947	412,638	104,309
1927.....	464,793	327,284	137,509
1928.....	543,342	379,423	163,919
1929.....	771,020	487,888	283,131
1930.....	571,241	413,290	157,952
1931.....	416,648	309,139	107,509
1932.....	235,187	187,837	47,350
1933.....	346,545	268,117	78,428
1934.....	575,192	448,826	126,366
1935.....	694,690	570,216	124,474
1936.....	784,587	649,997	134,590

New Motor Vehicle Registrations

(Please credit R. L. Polk & Company when reproducing figures)

New Passenger Car Registrations in U. S.

	1930	1931	1932	1933	1934	1935	1936
Jan...	180,094	126,776	87,493	79,821	61,242	136,635	215,775
Feb...	211,645	134,133	82,813	69,464	94,887	170,615	176,651
Mar...	298,824	200,841	92,192	78,741	173,287	261,477	301,239
April...	357,064	265,732	121,093	119,909	223,050	319,650	397,186
May...	345,031	247,727	131,282	160,242	219,225	293,199	392,744
June...	260,861	201,911	148,752	174,190	223,864	280,360	369,422
July...	254,098	194,322	104,188	185,660	229,006	285,178	357,490
Aug...	203,737	155,744	93,457	178,661	193,198	233,851	262,912
Sept...	175,286	124,903	81,893	157,976	146,931	157,098	208,896
Oct...	150,219	102,659	63,195	136,326	140,937	148,389	171,397
Nov...	93,066	75,829	44,358	94,180	107,574	220,262	223,732
Dec...	96,054	77,564	45,683	58,624	75,356	237,194	327,053
Total.	2,625,979	1,908,141	1,096,399	1,493,794	1,888,557	2,743,908	3,404,497

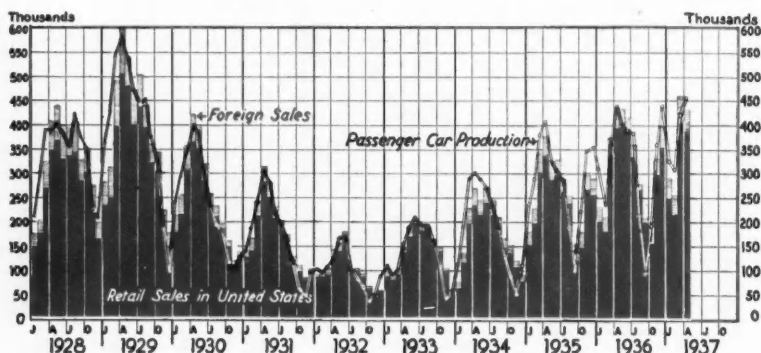
New Truck Registrations in U. S.

	1930	1931	1932	1933	1934	1935	1936
Jan...	30,236	24,415	14,776	11,709	22,903	34,759	43,760
Feb...	31,880	23,466	14,558	9,707	24,476	34,797	40,301
Mar...	42,199	30,609	16,874	9,934	33,884	41,511	52,428
April...	47,029	36,848	17,784	17,301	38,882	46,785	64,956
May...	43,286	33,496	18,696	20,925	39,831	47,968	62,183
June...	33,531	28,496	17,876	23,254	34,768	48,243	56,851
July...	39,904	30,102	14,731	30,642	37,490	51,243	63,695
Aug...	33,787	27,070	15,081	28,799	40,790	50,355	59,222
Sept...	33,933	25,967	14,967	31,269	37,225	41,390	54,611
Oct...	34,237	24,685	15,156	28,058	40,878	37,439	41,220
Nov...	22,012	15,553	10,392	18,691	28,689	36,935	30,255
Dec...	18,665	13,177	9,522	15,580	24,070	39,258	42,162
Total.	410,699	313,884	180,413	245,869	403,886	510,683	611,644

Total New Passenger Car and Truck Registrations

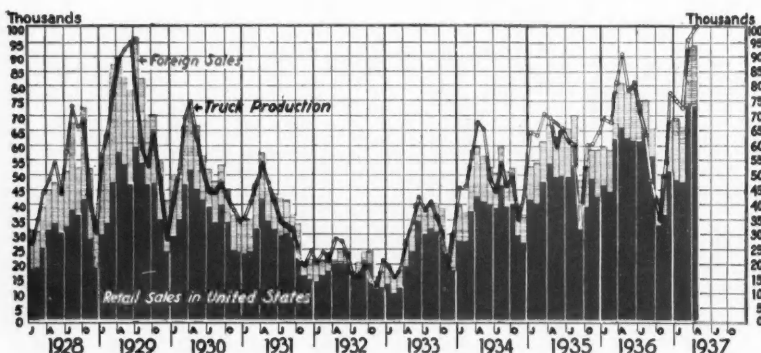
	1930	1931	1932	1933	1934	1935	1936
Jan...	210,330	151,191	102,269	91,530	84,145	171,394	259,535
Feb...	243,525	157,599	97,371	79,171	119,363	205,412	216,952
Mar...	341,023	231,450	109,066	88,675	207,171	302,988	353,667
April...	404,093	302,580	138,877	137,210	261,932	366,435	462,142
May...	388,317	281,223	149,978	181,167	259,056	341,167	454,927
June...	294,392	230,407	166,628	197,444	258,632	328,603	426,273
July...	294,002	224,424	118,919	216,302	266,496	336,421	421,185
Aug...	237,524	182,814	108,538	207,460	233,988	284,206	322,134
Sept...	209,219	150,870	96,860	189,245	184,156	198,488	263,507
Oct...	184,456	127,344	78,351	164,384	181,815	185,828	212,617
Nov...	115,078	91,382	54,750	112,871	136,263	257,197	253,987
Dec...	114,719	90,741	55,205	74,204	99,426	276,452	369,215
Total.	3,036,678	2,222,025	1,276,812	1,739,663	2,292,443	3,254,591	4,016,141

Passenger Car Output and Sales Increasing



The passenger car production curve represents the combined factory sales from plants located in the United States and the production of plants located in Canada. The solid portions of the vertical bars represent monthly retail sales in the United States, and the cross-hatched, top portion of the bars shows sales of American cars in foreign markets, including U. S. exports, foreign assemblies of parts produced in U. S., and Canadian production.

Truck Production and Sales Trend Up



The truck production curve includes factory sales from plants located in the United States, production of plants located in Canada and assemblies abroad of parts produced in the United States. The cross-hatched portion of the vertical bars represents U. S. exports, foreign assemblies of parts produced in U. S., and Canadian production.

Canadian Automobile Industry

(Figures from Annual Report of Dominion Bureau of Statistics, Ottawa, Canada)

Number and Wholesale Value of Canadian Production

Year	PASSENGER CARS		TRUCKS		TOTAL	
	Number	Value	Number	Value	Number	Value
1921...	61,098	\$53,561,415	5,148	\$3,843,288	66,246	\$57,404,703
1922...	92,838	67,226,654	8,169	5,232,405	101,007	72,459,059
1923...	127,976	78,282,372	19,226	8,941,011	147,202	87,223,383
1924...	114,537	70,609,960	18,043	8,125,916	132,580	78,735,876
1925...	135,573	86,158,773	26,397	12,234,486	161,970	98,393,259
1926...	166,887	106,000,203	37,840	16,629,334	204,727	122,629,537
1927...	146,421	100,962,211	32,633	14,942,017	179,054	115,904,228
1928...	197,848	127,263,877	44,206	21,913,122	242,054	149,176,999
1929...	203,307	134,023,280	59,318	29,474,395	262,625	163,497,675
1930...	121,337	75,253,581	32,035	16,513,225	153,372	91,766,806
1931...	65,072	42,634,173	17,487	10,330,763	82,559	52,964,936
1932...	50,694	32,490,829	10,095	6,070,667	60,789	38,560,796
1933...	53,849	32,568,268	12,003	6,062,195	65,852	38,630,463
1934...	92,647	57,260,156	24,205	12,770,318	116,852	70,030,474
1935...	135,562	79,209,276	37,315	19,803,771	172,877	99,013,047
1936...	128,369	76,814,258	33,790	19,140,946	162,159	95,955,204

Motor Vehicle Manufacturing Industry

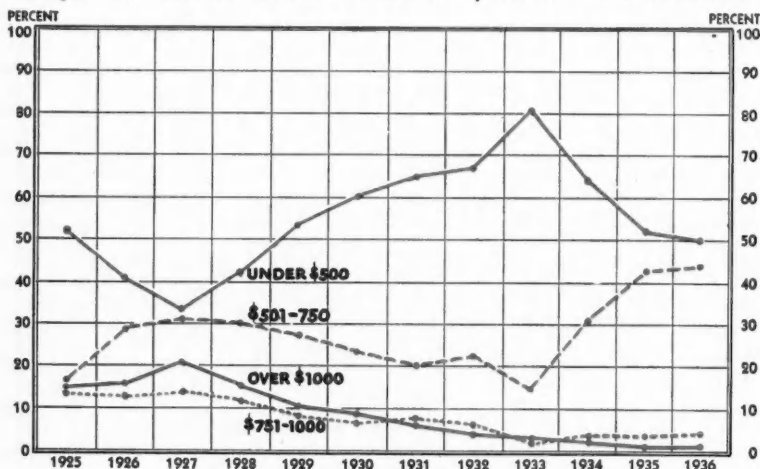
Year	Number of Plants	Capital Employed	Average No. of Employees	Salaries and Wages	Exports Cars and Trucks	Imports Cars and Trucks
1925.....	11	\$74,678,451	10,301	\$17,249,270	74,151	14,632
1926.....	11	82,791,968	11,905	19,650,804	74,324	28,544
1927.....	11	88,831,668	11,063	18,862,846	57,414	36,630
1928.....	14	97,056,328	16,749	29,548,114	79,388	47,408
1929.....	17	98,378,301	16,435	26,864,808	101,711	44,724
1930.....	16	90,671,678	12,541	19,473,782	44,553	23,233
1931.....	26	59,638,057	9,545	13,113,192	13,813	8,738
1932.....	25	49,641,777	8,810	11,435,741	12,534	1,449
1933.....	22	40,000,559	8,134	8,557,331	20,403	1,781
1934.....	21	34,520,938	9,674	12,938,933	43,368	2,905
1935.....	20	40,765,548	13,095	18,797,599	64,330	4,111
1936.....	16	46,497,259	12,933	18,164,042	55,570	9,903

Automobile Parts and Accessories Industry

Year	Number of Plants	Capital Employed	Average No. of Employees	Salaries and Wages	Wholesale Value of Products	Value of Exports	Value of Imports*
1925...	68	\$ 9,023,906	2,029	\$2,684,766	\$11,234,828	\$6,372,728	\$20,690,989
1926...	77	10,501,725	2,770	3,680,021	13,914,965	5,485,486	27,465,642
1927...	78	13,065,269	2,996	3,846,185	14,862,616	3,434,465	31,852,100
1928...	77	16,343,956	3,509	4,756,409	17,007,157	2,152,166	48,839,955
1929...	65	19,401,890	4,708	6,711,434	31,965,078	2,350,232	44,772,091
1930...	57	16,654,683	3,580	4,527,179	18,401,587	1,587,571	23,358,763
1931...	73	15,617,986	2,899	3,429,841	12,600,256	829,838	14,442,570
1932...	76	17,332,257	3,832	3,874,618	12,161,456	1,846,033	11,588,190
1933...	83	16,975,182	3,776	3,569,483	13,001,185	1,337,302	10,836,590
1934...	80	19,393,687	5,172	5,498,360	24,378,762	2,415,222	19,474,767
1935...	82	23,260,333	6,614	7,411,434	32,684,252	2,925,667	24,517,832
1936...	Not available at time of going to press					2,899,946	24,062,091

*Does not include automobile engines

95% of Cars Sell Under \$750 Wholesale



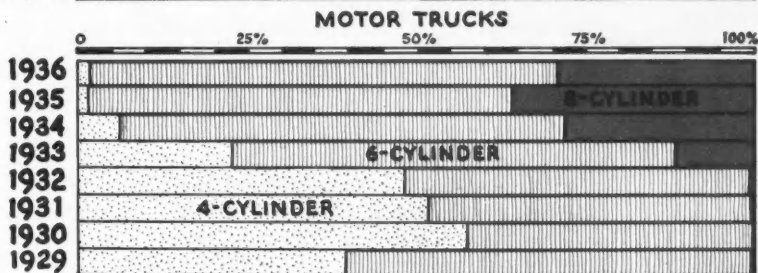
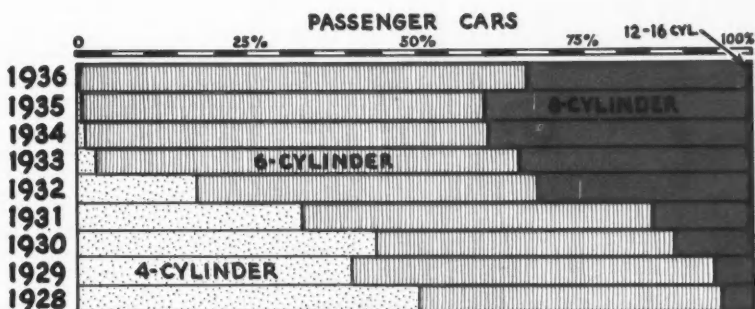
Factory Sales by Wholesale Price Classes

United States and Canada

	Under \$500	\$501-750	\$751-1000	\$1001-1500	\$1501-2000	\$2001-3000	Over \$3000	Total
1925.....	2,019,708	660,520	545,981	462,243	103,119	54,814	24,359	3,870,744
Percent.....	52.2	17.1	14.1	12.0	2.6	1.4	.6	100%
1926.....	1,633,775	1,149,301	500,508	476,675	94,915	73,738	19,931	3,948,843
Percent.....	41.4	29.1	12.7	12.1	2.4	1.8	.5	100%
1927.....	1,039,216	957,987	446,663	466,902	107,425	50,064	15,103	3,083,360
Percent.....	33.7	31.1	14.5	15.2	3.5	1.6	.4	100%
1928.....	1,698,603	1,219,266	462,452	456,117	108,448	55,304	11,968	4,012,158
Percent.....	42.3	30.4	11.5	11.4	2.7	1.4	.3	100%
1929.....	2,585,414	1,317,116	387,835	347,340	98,086	47,587	11,520	4,794,898
Percent.....	53.9	27.5	8.1	7.3	2.0	1.0	.2	100%
1930.....	1,754,747	680,352	204,450	179,180	55,351	27,266	8,841	2,910,187
Percent.....	60.3	23.4	7.1	6.2	1.9	.9	.2	100%
1931.....	1,328,294	413,929	162,954	80,687	33,846	12,714	5,759	2,038,183
Percent.....	65.2	20.3	8.0	3.9	1.7	.6	.3	100%
1932.....	794,164	260,831	74,610	36,670	8,699	8,679	2,532	1,186,185
Percent.....	67.0	22.0	6.3	3.1	.7	.7	.2	100%
1933.....	1,316,341	237,099	32,610	20,125	10,409	8,725	2,052	1,627,361
Percent.....	80.9	14.6	2.0	1.25	.65	.5	.1	100%
1934.....	1,443,357	715,989	66,223	27,576	8,391	6,879	2,151	2,270,566
Percent.....	63.5	31.6	2.9	1.2	.4	.3	.1	100%
1935.....	1,787,171	1,444,529	110,813	28,736	8,716	5,413	2,428	3,387,806
Percent.....	52.7	42.6	3.3	.9	.27	.16	.07	100%
1936.....	1,919,618	1,677,558	143,269	39,997	11,545	4,326	1,584	3,797,897
Percent...	50.6	44.2	3.7	1.05	.30	.11	.04	100%

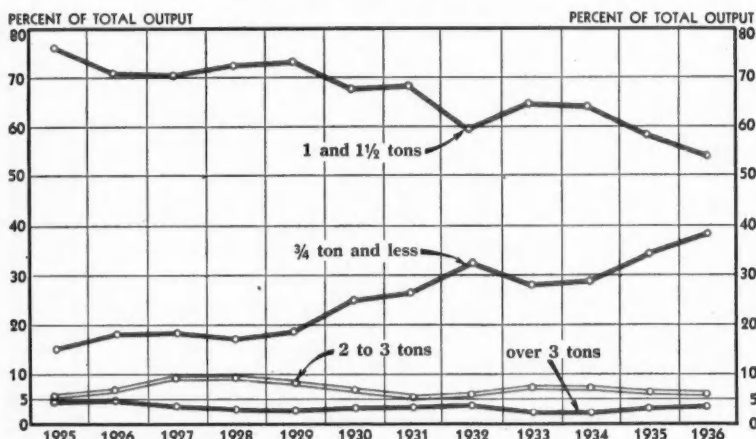
Factory Sales by Cylinders

U. S. and Canada



PASSENGER CARS						MOTOR TRUCKS			
	4 cyl.	6 cyl.	8 cyl.	12 and 16 cyl.	Total	4 cyl.	6 cyl.	8 cyl.	Total
1928.....	50.7%	45.0%	4.3%	0	100%	No data available			
1929.....	40.7	54.3	5.0	0	100%	39.6%	60.2%	.2%	100%
1930.....	44.5	43.6	11.8	.1%	100%	57.8	42.1	.1	100%
1931.....	33.3	52.0	14.5	.2	100%	51.9	47.9	.2	100%
1932.....	17.9	50.4	31.1	.6	100%	48.2	51.1	.7	100%
1933.....	3.2	61.8	34.7	.3	100%	22.8	65.8	11.4	100%
1934.....	1.2	59.8	38.8	.2	100%	6.3	65.6	28.1	100%
1935.....	0.5	59.9	39.4	.2	100%	1.3	62.9	35.8	100%
1936.....	0.5	66.5	32.4	.6	100%	1.7	69.6	28.7	100%

Trucks Three-quarter Ton and Less Capacity Gaining Larger Share



Truck Factory Sales by Capacities

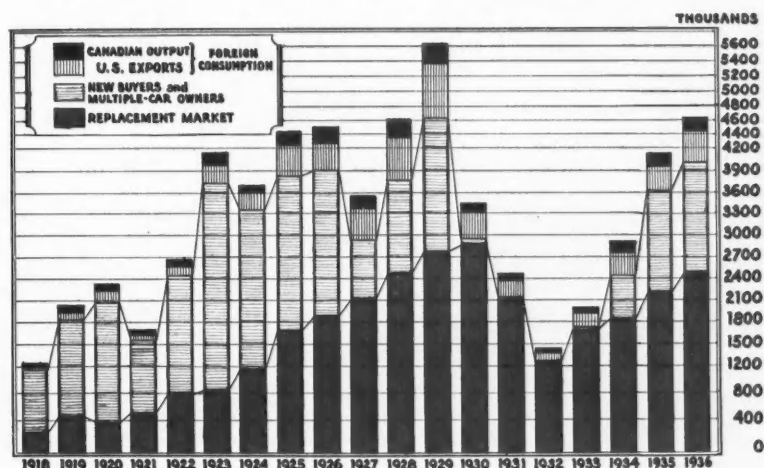
UNITED STATES AND CANADA

	1929	1931	1932	1933	1934	1935	1936
3/4 ton or less.....	141,859	109,220	79,127	99,028	172,089	249,957	316,208
1 ton and less than 1 1/2	78,786	4,899	1,618	893	2,341	2,259	9,686
1 1/2 ton and less than 2	523,691	289,418	144,113	228,238	376,475	420,597	423,503
2 ton and less than 2 1/2	28,416	8,516	7,620	15,866	25,995	28,950	30,637
2 1/2 ton, less than 3 1/2	33,530	11,516	6,006	7,728	11,136	10,465	12,309
3 1/2 ton and less than 5	8,643	4,532	2,689	2,859	4,752	3,612	4,621
5 ton.....	2,384	906	1,407	580	1,219		
Over 5 ton & spec'l types	9,508	5,169	2,705	3,356	5,390	16,165	21,413
Total.....	826,817	434,176	245,285	358,548	599,397	732,005	818,377

Truck Factory Sales by Capacities—Per Cent

	1929	1931	1932	1933	1934	1935	1936
3/4 ton or less.....	17.1	25.2	32.3	27.6	28.6	34.1	38.6
1 ton and less than 1 1/2	9.5	1.1	.6	.2	.4	.3	1.1
1 1/2 ton and less than 2	63.4	66.6	58.8	63.7	62.9	57.5	52.0
2 ton and less than 2 1/2	3.4	2.0	3.1	4.4	4.3	4.0	3.7
2 1/2 ton and less than 3 1/2	4.1	2.7	2.4	2.2	1.9	1.4	1.5
3 1/2 ton and less than 5	1.0	1.0	1.1	.8	.8	.5	.5
5 ton.....	.3	.2	.6	.2	.2		
Over 5 ton & spec'l types	1.2	1.2	1.1	.9	.9	2.2	2.6
Total.....	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Replacements and New Owner Sales Gain



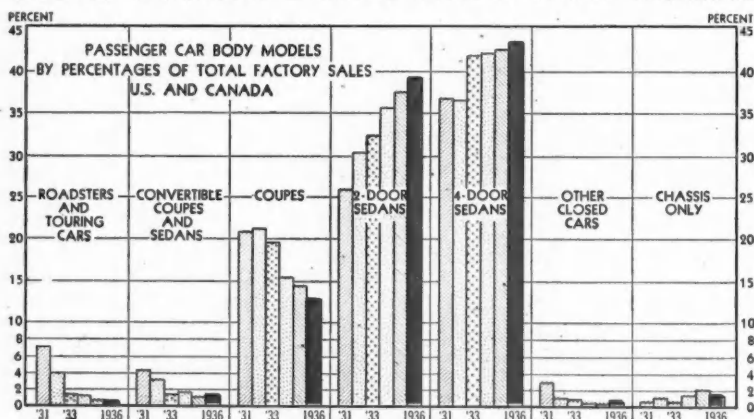
Automobile Markets

(Figures include all Motor Vehicles)

Year	Factory Sales U. S. and Canada	FOREIGN MARKET			DOMESTIC MARKET		
		Canadian Output	U. S. Exports	Total Foreign	New Owners*	Replaces- ments	Total Domestic
1918..	1,253,094	82,408	47,244	129,652	927,247	196,195	1,123,442
1919..	2,021,430	87,835	82,730	170,565	1,442,455	408,410	1,850,865
1920..	2,321,493	94,144	177,111	271,255	1,696,299	353,939	2,050,238
1921..	1,682,365	66,246	63,619	129,865	1,069,771	482,829	1,552,500
1922..	2,646,229	102,053	130,899	232,952	1,618,321	794,956	2,413,277
1923..	4,180,450	146,438	235,183	381,621	2,921,686	877,143	3,798,829
1924..	3,737,786	135,246	293,149	428,395	2,158,010	1,151,381	3,309,391
1925..	4,427,800	161,970	428,687	590,657	2,166,806	1,670,337	3,837,143
1926..	4,505,661	204,727	393,444	598,171	2,083,260	1,824,230	3,907,490
1927..	3,580,380	179,054	469,468	648,522	821,644	2,110,214	2,931,858
1928..	4,601,141	242,382	582,764	825,146	1,259,127	2,516,868	3,775,995
1929..	5,621,715	263,295	734,211	997,506	1,851,371	2,772,838	4,624,209
1930..	3,510,178	154,192	405,715	559,907	66,043	2,884,228	2,950,271
1931..	2,472,359	82,621	241,557	324,178	0	2,148,181	2,148,181
1932..	1,431,467	60,789	120,239	181,028	0	1,250,439	1,250,439
1933..	1,985,909	65,852	176,583	242,435	59,018	1,684,456	1,743,474
1934..	2,869,963	116,852	310,522	427,374	606,501	1,836,088	2,442,589
1935..	4,119,811	172,877	334,841	507,718	1,395,671	2,216,422	3,612,093
1936	4,616,274	162,159	346,067	508,226	1,608,048	2,500,000	4,108,048

*Number of new motor vehicles sold in excess of number of old vehicles estimated to have been scrapped, that is, net additions to total vehicles in use during the year.

Trend Toward 4-Door and 2-Door Sedans



Passenger Car Factory Sales by Body Types United States and Canada

	1934		1935		1936	
	Number	Percent	Number	Percent	Number	Percent
Roadster.....	13,013	.57	8,556	.25	7,778	.24
Touring.....	14,679	.65	8,587	.25	4,949	.13
Convertible Coupe.....	35,885	1.58	35,027	1.04	38,139	1.00
Convertible Sedan.....	3,020	.13	6,890	.20	12,887	.33
Coupe.....	361,800	15.93	504,491	14.89	488,810	12.87
2-Door Sedan.....	830,593	36.58	1,299,325	38.35	1,509,654	39.75
4-Door Sedan.....	962,191	42.38	1,448,577	42.76	1,662,125	43.76
All other closed cars.....	5,902	.26	4,214	.13	13,981	.36
Chassis.....	43,483	1.92	72,139	2.13	59,574	1.56
Total.....	2,270,566	100%	3,387,806	100%	3,797,897	100%

Parts and Accessories Business Gains 24% Over 1935

(Estimates based on Federal Excise Tax Receipts)

	Wholesale Value		Wholesale Value
1933.....	\$227,183,250	1935.....	\$359,146,550
1934.....	299,576,750	1936.....	446,053,700

Note: For year to year comparisons, probably the most comprehensive and accurate measure of the trend in the domestic market sales of repair parts and accessories is obtainable from the Federal excise tax collections. The wholesale value of parts and accessories taxable has been estimated by dividing the tax rate of 2% into the aggregate annual collections.

The Federal excise tax does not apply on parts and accessories exported, direct sales to governments, sales of garage and service equipment and items which are used for a variety of purposes other than automotive, such as bolts, nuts, lacquers, paints, varnish, cloth, leather, etc. used in repairs.

1936 Parts, Accessory and Tire Business

(Parts figures from Motor and Equipment Manufacturers Association)

Original Equipment of parts, tires, etc.....		\$666,832,000
Parts, units and accessories.....	\$535,936,000	
Rubber tires and tubes.....	\$130,896,000	
Replacements of parts, tires, etc.....		\$960,145,000
Parts, units, accessories and service equipment..	\$654,725,000	
Rubber tires, tubes and repair materials.....	\$305,420,000	
Total Parts and Tire Business.....		\$1,626,977,000

Sales Value of Automobile Tire Shipments

	Pneumatic Casings	Inner Tubes	Solids and Cushions	Auto Tire Sundries and Fabrics	Total
1929.....	592,172,000	84,623,000	17,554,000	28,056,000	722,405,000
1930.....	439,095,000	63,364,000	9,535,000	20,288,000	532,282,000
1931.....	340,979,000	49,876,000	5,520,000	15,191,000	411,566,000
1932.....	251,447,000	31,884,000	3,270,000	10,955,000	297,556,000
1933.....	256,192,000	35,271,000	2,903,000	12,389,000	306,755,000
1934.....	269,957,000	36,804,000	1,941,000	15,680,000	324,382,000
1935.....	321,244,000	44,207,000	2,845,000	16,136,000	384,432,000
1936.....	369,353,000	50,524,000	1,386,000	15,053,000	436,316,000

The above figures representing 100% of the tire industry are estimates made by the Automobile Manufacturers Association based on actual reports to The Rubber Manufacturers Association, Inc. from companies representing 98% of the industry's sales for 1929 to 1934, 87% for 1935 and 80% for 1936.

Rubber Tire Shipments

(Figures estimated by The Rubber Manufacturers Association, Inc.)

	Number of Units			
	1933	1934	1935	1936
High Pressure Casings.....	5,256,100	5,272,853	4,014,650	4,429,018
Balloon Casings.....	38,837,611	41,413,699	46,168,479	50,933,710
Solids and Cushions*..	158,738	192,940	283,337	456,172
Inner Tubes.....	41,390,590	45,045,494	48,067,906	54,624,321

*Includes Industrial truck, tractor and trailer tires.

Capital Invested in Automobile Manufacturing*

Year	Cars	Trucks	Total
1925.....	\$1,503,290,062	\$384,738,748	\$1,888,028,810
1926.....	1,646,589,759	442,908,566	2,089,498,325
1927.....	1,643,989,116	436,668,548	2,080,657,664
1928.....	1,578,021,207	387,289,301	1,965,310,508
1929.....	1,518,714,814	437,972,847	1,956,687,661
1930.....	1,442,275,653	438,532,580	1,880,808,233
1931.....	1,215,200,000	380,600,000	1,595,800,000
1932.....	1,118,600,000	371,300,000	1,489,900,000
1933.....	1,012,548,000	336,418,000	1,348,966,000
1934.....	955,599,000	322,918,000	1,278,517,000
1935.....	969,265,000	304,469,000	1,273,734,000
1936.....	1,004,766,000	338,435,000	1,343,201,000

*The above figures represent net tangible assets of motor vehicle manufacturing plants located in United States, and do not include parts, accessory, body and tire manufacturers.

Motor Vehicle Registrations, 1895-1936

(Figures as of December 31st)

Years	PASSENGER CARS		MOTOR TRUCKS		TOTAL MOTOR VEHICLES	
	Number	% Increase	Number	% Increase	Number	% Increase
1895.....	4	....	.....	....	4	....
1896.....	16	....	.....	....	16	....
1897.....	90	....	.....	....	90	....
1898.....	800	....	.....	....	800	....
1899.....	3,200	....	.....	....	3,200	....
1900.....	8,000	....	.....	....	8,000	....
1901.....	14,800	85%	.....	....	14,800	85%
1902.....	23,000	55%	.....	....	23,000	55%
1903.....	32,920	43%	.....	....	32,920	43%
1904.....	54,590	66%	410	....	55,000	67%
1905.....	77,400	42%	600	46%	78,000	42%
1906.....	105,900	37%	1,100	83%	107,000	37%
1907.....	140,300	33%	1,700	55%	142,000	33%
1908.....	194,400	38%	3,100	82%	197,500	39%
1909.....	305,950	57%	6,050	95%	312,000	58%
1910.....	458,500	50%	10,000	65%	468,500	50%
1911.....	619,500	35%	20,000	100%	639,500	36%
1912.....	902,600	46%	41,400	107%	944,000	48%
1913.....	1,194,262	32%	63,800	54%	1,258,062	33%
1914.....	1,625,739	36%	85,600	34%	1,711,339	36%
1915.....	2,309,666	42%	136,000	59%	2,445,666	43%
1916.....	3,297,996	43%	215,000	58%	3,512,996	44%
1917.....	4,657,340	42%	326,000	52%	4,983,340	42%
1918.....	5,621,617	21%	525,000	61%	6,146,617	23%
1919.....	6,771,074	21%	794,372	51%	7,565,446	23%
1920.....	8,225,859	22%	1,006,082	27%	9,231,941	22%
1921.....	9,346,195	14%	1,117,100	11%	10,463,295	13%
1922.....	10,862,650	16%	1,375,725	23%	12,238,375	17%
1923.....	13,479,608	24%	1,612,569	17%	15,092,177	23%
1924.....	15,460,649	15%	2,134,724	32%	17,595,373	17%
1925.....	17,496,420	13%	2,440,854	14%	19,937,274	13%
1926.....	19,237,171	10%	2,764,222	13%	22,001,393	10%
1927.....	20,219,224	5%	2,914,019	5%	23,133,243	5%
1928.....	21,379,125	6%	3,113,999	7%	24,493,124	6%
1929.....	23,121,589	8%	3,379,854	8%	26,501,443	8%
1930.....	23,059,262	-1%	3,486,019	3%	26,545,281	-1%
1931.....	22,366,313	-3%	3,466,571	-3%	25,832,884	-2%
1932.....	20,885,814	-6%	3,229,315	-7%	24,115,129	-6%
1933.....	20,616,234	-1%	3,227,357	-1%	23,843,591	-1%
1934.....	21,532,408	4%	3,419,254	5%	24,951,662	4%
1935.....	22,583,420	4%	3,647,474	6%	26,230,834	5%
1936.....	24,197,685	7%	4,023,606	10%	28,221,291	7%

Tax-Exempt Official Cars Not Included in the Above Registrations¹

Year	U. S. Cars† State and Local			Total	Year	U. S. Cars† State and Local			Total
1929..	33,179	118,828		152,007	1933..	36,475	177,370		213,845
1930..	33,179	140,440		173,619	1934..	*79,996	191,512		271,508
1931..	29,154	143,096		172,250	1935..	*94,503	189,454		283,957
1932..	36,475	143,666		180,141	1936..	*99,038	200,230		299,268

¹—Some states require government-owned vehicles to pay registration fees same as privately-owned vehicles. In such states the government-owned vehicles are included among the regular registrations in above table. *Source: Procurement Division, U. S. Treasury Department. †U. S. Budget Bureau figures.

Total Motor Vehicle Registrations by States—1931-1936

(Figures from U. S. Bureau of Public Roads as of December 31st)

STATES	1931	1932	1933	1934	1935	1936
Alabama.....	246,465	225,846	206,361	225,732	242,676	297,292
Arizona.....	105,572	94,935	89,496	96,586	103,122	115,035
Arkansas.....	180,731	136,583	188,242	198,091	207,429	217,227
California.....	2,043,281	1,974,932	1,971,929	2,006,255	2,151,501	2,327,984
Colorado.....	308,458	286,211	266,491	274,231	284,578	316,050
Connecticut....	354,821	321,580	314,751	351,846	366,827	398,254
Delaware.....	55,202	52,341	51,099	54,240	56,560	59,629
Dist. of Columbia	173,519	161,176	149,790	163,070	171,464	181,319
Florida.....	323,260	286,021	279,265	335,205	355,244	386,907
Georgia.....	320,840	287,716	330,147	376,993	394,096	410,583
Idaho.....	111,663	96,039	96,255	108,863	118,266	133,037
Illinois.....	1,612,770	1,489,147	1,463,050	1,456,241	1,525,817	1,659,750
Indiana.....	862,672	797,126	770,071	803,271	850,650	905,088
Iowa.....	748,438	682,905	632,292	666,440	699,016	728,414
Kansas.....	559,176	504,784	517,987	528,664	553,106	577,906
Kentucky.....	327,326	291,309	294,547	332,067	346,130	372,576
Louisiana.....	263,050	238,877	232,688	244,007	268,824	302,420
Maine.....	188,238	171,424	168,173	178,995	181,165	191,554
Maryland.....	325,372	322,106	313,274	332,892	345,578	378,462
Massachusetts..	840,190	801,317	789,788	785,392	785,572	816,711
Michigan.....	1,230,980	1,136,224	1,077,209	1,148,953	1,239,431	1,373,676
Minnesota.....	720,401	682,953	679,243	697,672	726,993	783,627
Mississippi.....	183,650	153,741	164,688	174,934	186,289	205,890
Missouri.....	752,805	717,460	698,362	739,813	766,369	809,615
Montana.....	127,166	109,203	110,245	128,336	149,712	167,150
Nebraska.....	416,131	374,849	390,651	406,632	406,178	413,787
Nevada.....	32,168	31,378	28,324	32,230	34,858	38,509
New Hampshire..	111,510	105,215	107,631	113,134	117,154	122,236
New Jersey.....	869,867	854,782	845,734	864,641	888,292	943,412
New Mexico....	81,325	76,872	76,643	82,900	92,457	108,729
New York.....	2,297,249	2,249,509	2,240,757	2,273,686	2,330,962	2,453,542
North Carolina..	428,737	376,326	382,308	432,421	463,123	504,517
North Dakota..	171,293	153,232	153,889	156,203	164,217	167,241
Ohio.....	1,710,625	1,589,322	1,554,314	1,613,265	1,714,627	1,777,048
Oklahoma.....	482,725	415,644	451,712	477,292	502,101	531,914
Oregon.....	278,225	258,762	239,410	272,102	297,112	332,729
Pennsylvania...	1,741,942	1,665,418	1,635,019	1,681,202	1,745,401	1,918,116
Rhode Island...	137,878	133,408	136,261	142,394	148,597	159,140
South Carolina..	203,719	176,370	162,735	202,834	235,919	278,829
South Dakota...	193,025	162,096	169,249	169,975	179,271	186,480
Tennessee.....	350,520	298,713	312,180	336,313	351,898	380,792
Texas.....	1,297,301	1,197,443	1,201,762	1,312,152	1,382,104	1,478,124
Utah.....	108,958	97,234	100,362	101,926	106,006	116,816
Vermont.....	83,877	77,475	73,576	77,921	81,513	84,155
Virginia.....	379,227	376,512	347,883	373,908	385,555	417,463
Washington....	420,878	445,314	427,406	422,238	453,660	499,760
West Virginia..	253,308	225,137	226,985	225,155	248,379	280,015
Wisconsin.....	754,249	695,953	670,797	709,359	754,037	835,178
Wyoming.....	62,101	56,209	52,560	64,990	69,998	76,603
Totals.....	25,832,884	24,115,129	23,843,591	24,951,662	26,230,834	28,221,291

Passenger Car

Registrations by States—1931-1936

(Figures from U. S. Bureau of Public Roads as of December 31st)

STATES	1931	1932	1933	1934	1935	1936
Alabama.....	212,493	194,271	176,523	191,631	203,687	246,557
Arizona.....	92,939	80,248	74,927	79,795	85,158	94,852
Arkansas.....	149,456	113,594	155,262	162,391	167,322	169,389
California.....	1,798,068	1,740,755	1,751,842	1,768,699	*1,897,593	*2,060,533
Colorado.....	276,376	255,854	239,058	246,373	256,148	284,120
Connecticut....	302,594	270,192	262,187	295,548	308,402	338,196
Delaware.....	*45,211	*43,675	*42,614	*44,846	*46,868	*49,619
Dist. of Columbia	155,334	142,890	133,048	145,807	153,854	162,922
Florida.....	271,536	248,066	234,246	279,846	299,045	323,022
Georgia.....	274,576	245,666	278,935	316,731	328,017	337,857
Idaho.....	96,228	82,009	81,371	91,002	96,895	107,185
Illinois.....	1,411,261	1,311,327	*1,276,864	*1,281,976	*1,340,340	*1,456,652
Indiana.....	732,846	675,107	653,710	680,480	717,883	767,279
Iowa.....	670,024	608,023	562,802	591,090	618,487	644,565
Kansas.....	*478,692	*433,006	*445,583	*453,099	*473,038	*490,793
Kentucky.....	292,357	259,688	262,436	294,622	302,880	320,736
Louisiana.....	215,267	197,024	190,681	199,228	209,426	228,792
Maine.....	149,467	135,221	132,902	141,302	143,086	150,606
Maryland.....	289,292	280,579	278,546	287,541	297,050	324,064
Massachusetts..	736,302	698,358	689,934	686,884	684,973	714,081
Michigan.....	*1,078,345	*1,012,951	*965,570	*1,025,548	*1,112,148	*1,234,692
Minnesota.....	611,966	581,303	580,113	593,790	621,132	669,179
Mississippi.....	*152,929	*128,577	131,764	140,819	152,963	162,531
Missouri.....	*656,830	*618,195	*594,567	632,104	650,550	681,644
Montana.....	*103,129	*88,682	*82,765	*97,249	*114,170	*127,839
Nebraska.....	356,283	322,555	336,704	350,072	347,135	353,192
Nevada.....	25,218	24,851	22,397	25,839	27,983	30,829
New Hampshire..	92,839	87,837	87,759	90,752	*93,699	*97,361
New Jersey.....	736,506	726,178	723,506	741,290	763,426	813,472
New Mexico....	65,441	61,852	61,353	66,788	74,212	85,906
New York.....	1,966,436	1,935,744	1,942,249	1,974,236	2,024,043	2,134,350
North Carolina..	374,162	326,064	332,648	371,047	398,466	434,779
North Dakota..	144,705	129,642	*128,547	129,888	135,437	137,591
Ohio.....	*1,518,696	1,421,830	*1,396,125	*1,453,420	*1,543,689	*1,604,775
Oklahoma.....	428,140	370,760	385,755	403,364	419,246	441,276
Oregon.....	255,275	224,285	207,202	232,706	271,543	278,130
Pennsylvania...	1,522,130	1,449,084	1,415,522	1,466,186	1,516,375	1,641,006
Rhode Island...	118,313	114,992	118,296	124,062	130,169	140,417
South Carolina..	180,280	156,648	144,940	181,957	206,158	243,662
South Dakota...	169,509	142,554	146,485	146,143	152,340	158,264
Tennessee.....	316,544	267,279	278,332	298,558	309,867	329,405
Texas.....	1,086,310	1,005,981	1,013,086	1,085,876	1,125,049	1,192,147
Utah.....	91,381	81,138	84,014	84,832	88,419	97,419
Vermont.....	75,424	69,166	65,652	69,309	72,482	75,310
Virginia.....	322,594	314,168	290,617	316,640	325,179	352,281
Washington....	360,796	381,488	364,858	357,917	384,994	420,222
West Virginia...	213,949	192,221	193,570	192,067	213,076	236,532
Wisconsin.....	640,476	587,906	566,450	589,179	623,893	690,525
Wyoming.....	51,388	46,330	41,917	51,888	55,405	61,129
Totals....	22,366,313	20,885,814	20,616,234	21,532,408	22,583,420	24,197,685

*Buses not included; other states, included.

Motor Truck

Registrations by States—1931-1936

(Figures from U. S. Bureau of Public Roads as of December 31st)

STATES	1931	1932	1933	1934	1935	1936
Alabama.....	33,972	31,575	29,838	34,101	38,989	50,735
Arizona.....	12,633	14,687	14,569	16,791	17,964	20,183
Arkansas.....	31,275	22,989	32,980	35,700	40,107	47,838
California.....	245,213	234,177	220,087	237,556	*253,908	*267,451
Colorado.....	32,062	30,357	27,433	27,858	28,430	31,930
Connecticut.....	52,227	51,388	52,564	56,298	58,425	60,058
Delaware.....	*9,991	*8,666	*8,485	*9,394	*9,692	*10,010
Dist. of Columbia	18,185	18,286	16,742	17,263	17,610	18,397
Florida.....	51,724	37,955	45,019	55,359	57,199	63,885
Georgia.....	46,264	42,050	51,212	60,262	66,079	72,726
Idaho.....	15,435	14,030	14,884	17,861	21,371	25,852
Illinois.....	201,509	177,820	*186,186	*174,265	*185,477	*203,098
Indiana.....	129,826	122,019	116,361	122,791	132,767	137,809
Iowa.....	78,414	74,882	69,490	75,350	80,529	83,849
Kansas.....	*80,484	*71,778	*72,404	*75,565	*80,068	*87,113
Kentucky.....	34,969	31,621	32,111	37,445	43,250	51,840
Louisiana.....	47,783	41,853	42,007	44,779	59,398	73,628
Maine.....	38,771	36,203	35,271	37,693	38,079	40,948
Maryland.....	36,080	41,527	34,728	45,351	48,528	54,398
Massachusetts...	103,888	102,959	99,854	98,508	100,599	102,630
Michigan.....	*152,635	123,273	*121,639	*123,405	*127,283	*138,984
Minnesota.....	108,435	101,650	99,130	103,882	105,861	114,448
Mississippi.....	*30,721	*25,164	32,924	34,115	33,306	43,359
Missouri.....	*95,975	*99,265	*103,795	107,709	115,819	127,971
Montana.....	*24,037	*20,521	*27,480	*31,087	*35,542	*39,311
Nebraska.....	59,848	52,294	53,947	56,560	59,043	60,595
Nevada.....	6,960	6,527	5,927	6,391	6,875	7,680
New Hampshire...	18,671	17,378	19,872	22,382	*23,455	*24,875
New Jersey.....	133,361	128,604	122,228	123,351	124,866	129,940
New Mexico....	15,884	15,020	15,290	16,112	18,245	22,823
New York.....	330,813	313,765	298,508	299,450	306,919	319,192
North Carolina...	54,575	50,262	49,660	61,374	64,657	69,738
North Dakota...	26,588	23,590	*25,342	26,315	28,780	29,650
Ohio.....	*191,929	167,492	*153,189	*159,845	*170,938	*172,273
Oklahoma.....	54,585	44,884	65,957	73,928	82,855	90,638
Oregon.....	22,950	134,477	32,208	39,396	25,569	54,599
Pennsylvania...	219,812	216,334	219,497	218,016	229,026	277,110
Rhode Island...	19,565	18,416	17,965	18,332	18,428	18,723
South Carolina...	23,439	19,722	17,795	20,877	29,761	35,167
South Dakota...	23,516	19,542	22,764	23,832	26,931	28,216
Tennessee.....	33,976	31,434	33,848	37,755	42,031	151,387
Texas.....	210,991	191,462	188,676	226,276	257,055	285,977
Utah.....	17,577	16,096	16,348	17,103	17,587	19,397
Vermont.....	8,453	8,309	7,924	8,612	9,031	8,845
Virginia.....	56,633	62,344	57,266	57,268	60,376	65,182
Washington....	60,082	63,826	62,548	64,321	68,666	79,538
West Virginia...	39,359	32,916	33,415	31,088	35,303	43,483
Wisconsin.....	113,773	108,047	104,347	120,180	130,144	144,653
Wyoming.....	10,713	9,879	10,643	13,102	14,593	15,474
Totals.....	3,466,571	3,229,315	3,227,357	3,419,254	3,647,474	4,023,606

*Includes Buses; other States include buses with passenger cars. † Includes 11,700 light delivery cars.

†Includes freight trailers.

5,035,000 Motor Vehicles on Farms

(Figures from U. S. Census of Agriculture, 1930, Latest available)

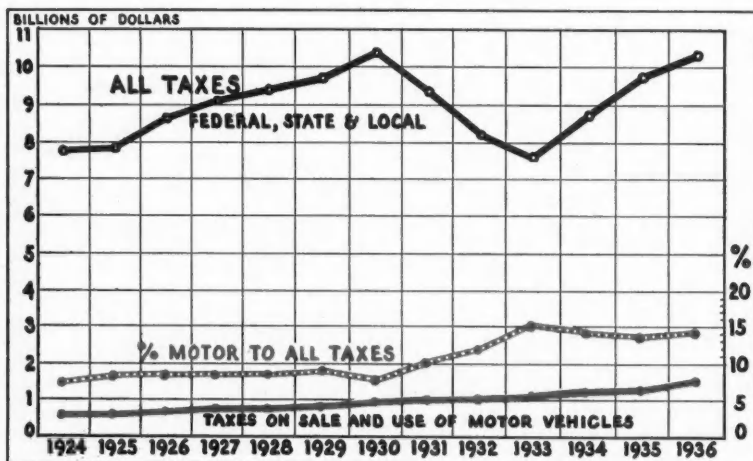
States	Motor Vehicles	Passenger Cars	Motor Trucks	% of All Trucks on Farms	Tractors	Tele- phones	Radios
Alabama.....	86,472	73,634	12,838	33.9	4,664	19,510	4,453
Arizona.....	12,978	9,916	3,062	28.6	2,558	2,672	2,352
Arkansas.....	76,935	65,935	11,000	27.6	5,684	25,046	6,001
California.....	177,813	136,842	40,971	19.1	44,437	48,171	60,165
Colorado.....	69,176	52,258	16,918	59.3	13,334	23,877	19,188
Connecticut....	19,498	13,154	6,344	12.6	2,667	11,366	10,200
Delaware.....	11,720	8,724	2,996	29.2	1,600	2,420	3,098
D. of Col.....	141	60	81	.....	17	69	35
Florida.....	38,590	26,387	12,203	21.2	5,244	3,525	3,644
Georgia.....	104,446	88,479	15,967	32.8	5,870	14,771	5,637
Idaho.....	40,247	33,966	6,281	45.9	4,691	15,733	11,023
Illinois.....	233,244	192,873	40,371	19.8	69,628	147,672	96,250
Indiana.....	184,593	154,556	30,037	23.9	41,979	110,333	64,628
Iowa.....	273,181	240,512	32,669	46.8	66,258	180,876	114,006
Kansas.....	204,666	171,018	33,648	45.6	66,275	120,890	64,572
Kentucky.....	93,972	86,784	7,188	21.5	7,322	61,631	16,992
Louisiana.....	52,363	43,082	9,281	20.0	5,016	6,106	2,973
Maine.....	37,008	26,227	10,781	29.0	3,410	22,189	14,424
Maryland.....	49,256	37,972	11,284	29.0	7,208	11,935	12,421
Massachusetts..	27,210	17,638	9,572	9.7	3,921	16,581	15,557
Michigan.....	187,690	150,922	36,768	20.9	34,579	73,757	64,662
Minnesota.....	222,274	185,717	36,557	36.6	48,457	114,693	74,231
Mississippi.....	102,066	85,563	16,503	50.5	5,542	15,858	3,859
Missouri.....	196,598	176,466	20,132	23.7	24,999	137,712	62,863
Montana.....	52,781	38,166	14,615	58.2	19,031	9,697	16,109
Nebraska.....	167,189	141,144	26,045	61.6	40,729	93,888	65,273
Nevada.....	4,162	2,921	1,241	18.7	360	1,460	978
New Hampshire..	15,618	11,079	4,539	32.4	1,096	9,313	7,344
New Jersey.....	37,124	22,371	14,753	11.0	8,088	10,373	16,777
New Mexico.....	20,723	15,395	5,328	38.9	2,497	2,879	2,203
New York.....	200,890	141,916	58,974	17.2	40,369	78,185	85,914
North Carolina..	151,434	132,876	18,558	35.0	11,426	19,852	9,297
North Dakota...	95,788	78,798	16,990	65.4	37,605	31,878	30,692
Ohio.....	240,762	201,552	39,210	18.9	52,974	121,214	86,011
Oklahoma.....	151,378	127,448	23,930	39.6	25,962	53,149	23,611
Oregon.....	57,181	47,440	9,741	44.5	9,838	26,557	19,488
Pennsylvania....	199,284	152,222	47,062	21.1	33,513	73,321	62,856
Rhode Island....	4,270	2,569	1,701	8.5	589	1,742	2,158
South Carolina..	68,720	61,754	6,966	27.2	3,462	6,357	3,371
South Dakota...	96,739	81,923	14,816	65.0	33,837	44,608	37,218
Tennessee.....	98,061	89,022	9,039	27.6	6,865	45,205	12,538
Texas.....	352,756	300,176	52,580	28.7	37,348	97,346	39,347
Utah.....	21,763	17,574	4,189	24.6	1,426	7,416	7,321
Vermont.....	23,655	18,620	5,035	58.8	2,426	15,093	10,689
Virginia.....	107,922	88,463	19,459	33.1	9,757	30,418	13,376
Washington.....	74,831	55,995	18,836	30.2	8,388	31,764	26,822
West Virginia...	44,410	36,978	7,432	18.4	2,792	28,117	9,075
Wisconsin.....	228,550	176,764	51,786	49.7	50,173	107,486	72,826
Wyoming.....	16,932	12,824	4,108	46.6	4,110	4,483	4,967
Total.....	5,035,060	4,134,675	900,385	26.6	920,021	2,139,194	1,399,495

12,048,762 families, or 40.3% of 29,904,663 total city and farm families in the United States have radio sets.

Standing of States in Registrations, 1936

MOTOR VEHICLE REGISTRATION	NUMERICAL INCREASE FROM 1935	PERCENT INCREASE OVER 1935	POPULATION PER MOTOR VEHICLE
1 N. Y. 2,453,542	1 Calif. 176,483	1 Ala. 22.5	1 Nev. 2.60
2 Calif. 2,327,984	2 Pa. 172,715	2 S. C. 18.2	2 Calif. 2.60
3 Pa. 1,918,116	3 Mich. 134,245	3 N. M. 17.6	3 Wyo. 3.04
4 Ohio. 1,777,048	4 Ill. 133,933	4 W. Va. 12.7	4 Ore. 3.06
5 Ill. 1,659,750	5 N. Y. 122,580	5 Ida. 12.5	5 Mont. 3.18
6 Texas. 1,478,124	6 Tex. 96,020	6 La. 12.5	6 Kan. 3.26
7 Mich. 1,373,676	7 Wis. 81,141	7 Ore. 12.0	7 Wash. 3.29
8 N. J. 943,412	8 Ohio. 62,421	8 Ariz. 11.6	8 Neb. 3.30
9 Ind. 905,088	9 Minn. 56,634	9 Mont. 11.6	9 Minn. 3.36
10 Wis. 835,178	10 N. J. 55,120	10 Colo. 11.1	10 Colo. 3.37
11 Mass. 816,711	11 Ala. 54,616	11 Mich. 10.8	11 D. C. 3.41
12 Mo. 809,615	12 Ind. 54,438	12 Wis. 10.8	12 Mich. 3.48
13 Minn. 783,627	13 Wash. 46,100	13 Miss. 10.5	13 Wis. 3.48
14 Iowa. 728,414	14 Mo. 43,246	14 Nev. 10.5	14 Iowa. 3.49
15 Kan. 577,906	15 S. C. 42,910	15 Utah. 10.2	15 Ariz. 3.53
16 Okla. 531,914	16 N. C. 41,394	16 Wash. 10.2	16 Ida. 3.65
17 N. C. 504,517	17 Ore. 35,617	17 Pa. 9.9	17 S. D. 3.71
18 Wash. 499,760	18 La. 33,596	18 Md. 9.5	18 Ohio. 3.78
19 Va. 417,463	19 Md. 32,884	19 Wyo. 9.4	19 Ind. 3.82
20 Nebr. 413,787	20 Va. 31,908	20 N. C. 8.9	20 N. M. 3.88
21 Ga. 410,583	21 W. Va. 31,636	21 Ill. 8.8	21 Tex. 4.14
22 Conn. 398,254	22 Colo. 31,472	22 Conn. 8.6	22 N. H. 4.16
23 Fla. 386,907	23 Conn. 31,427	23 Fla. 8.6	23 N. D. 4.20
24 Tenn. 380,792	24 Mass. 31,139	24 Va. 8.3	24 Fla. 4.24
25 Md. 378,462	25 Fla. 30,663	25 Calif. 8.2	25 R. I. 4.28
26 Ky. 372,576	26 Okla. 29,813	26 Tenn. 8.2	26 Del. 4.34
27 Ore. 332,729	27 Iowa. 29,398	27 Minn. 7.8	27 Conn. 4.35
28 Colo. 316,050	28 Tenn. 28,894	28 Ky. 7.6	28 Utah. 4.42
29 La. 302,420	29 Ky. 26,446	29 R. I. 7.1	29 Md. 4.42
30 Ala. 297,292	30 Kan. 24,800	30 Tex. 6.9	30 Me. 4.45
31 W. Va. 280,015	31 Miss. 19,601	31 Ind. 6.4	31 Vt. 4.52
32 S. C. 278,829	32 Mont. 17,438	32 N. J. 6.2	32 N. J. 4.59
33 Ark. 217,227	33 Ga. 16,487	33 Okla. 5.9	33 Ill. 4.73
34 Miss. 205,890	34 N. M. 16,272	34 Me. 5.7	34 Okla. 4.75
35 Me. 191,554	35 Ida. 14,771	35 D. C. 5.7	35 Mo. 4.89
36 S. D. 186,480	36 Ariz. 11,913	36 Mo. 5.6	36 N. Y. 5.27
37 D. C. 181,319	37 Utah. 10,810	37 Del. 5.4	37 Pa. 5.28
38 N. D. 167,241	38 R. I. 10,543	38 N. Y. 5.3	38 Mass. 5.42
39 Mont. 167,150	39 Me. 10,389	39 Ark. 4.7	39 Va. 6.40
40 R. I. 159,140	40 D. C. 9,855	40 Kan. 4.5	40 W. Va. 6.54
41 Ida. 133,037	41 Ark. 9,798	41 N. H. 4.3	41 S. C. 6.67
42 N. H. 122,236	42 Neb. 7,609	42 Ga. 4.2	42 N. C. 6.83
43 Utah. 116,816	43 S. D. 7,209	43 Iowa. 4.2	43 La. 7.02
44 Ariz. 115,035	44 Wyo. 6,605	44 Mass. 4.0	44 Ga. 7.45
45 N. M. 108,729	45 N. H. 5,082	45 S. D. 4.0	45 Tenn. 7.52
46 Vt. 84,155	46 Nev. 3,651	46 Ohio. 3.6	46 Ky. 7.74
47 Wyo. 76,603	47 Del. 3,069	47 Vt. 3.2	47 Ark. 9.31
48 Del. 59,629	48 N. D. 3,024	48 Nebr. 1.9	48 Ala. 9.63
49 Nev. 38,509	49 Vt. 2,642	49 N. D. 1.8	49 Miss. 9.75
Total. 28,221,291	Total. 1,990,457	Total. 7.6	Total per M. V. 4.55
			Per pass. car 5.31

Motorists Pay One Out Of Every Seven Tax Dollars



Automotive Products Pay 75% of All Federal Excise Taxes

(Source: U. S. Bureau of Internal Revenue)

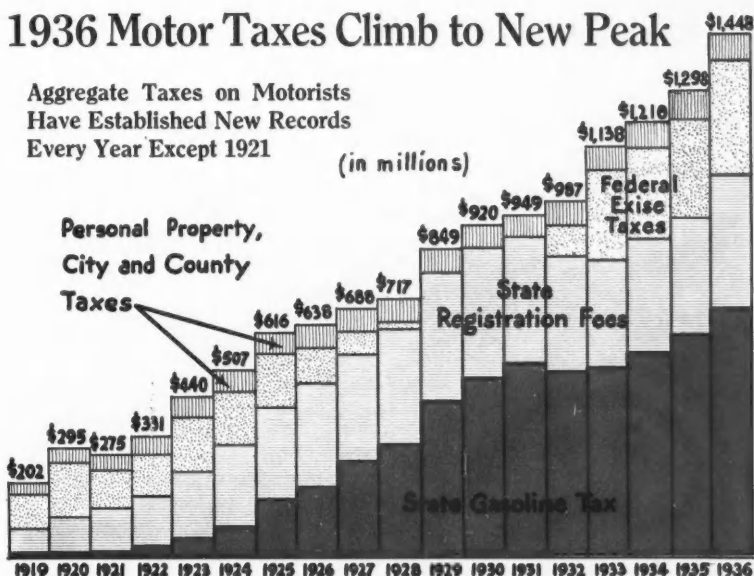
	1933	1934	1935	1936
Automobiles.....	\$22,475,887	\$31,533,516	\$42,262,453	\$56,475,926
Trucks.....	3,046,826	5,261,207	6,674,270	8,044,343
Parts and Accessories.....	4,443,071	5,886,002	7,019,009	8,747,945
Rubber Tires and Tubes.....	23,836,119	24,704,077	28,102,446	38,241,552
Gasoline.....	181,125,988	170,109,269	172,263,481	186,321,448
Lubricating Oil*.....	12,816,534	14,657,658	17,003,162	16,521,762
Total automotive.....	\$247,744,425	\$252,151,729	\$273,324,821	\$314,352,976
Lubricating oil, non-automotive.....	9,473,091	10,185,831	11,815,756	12,463,785
Pipe lines.....	10,237,275	10,008,692	9,256,287	10,423,608
Crude Petroleum Processed.....		810,695	1,691,116	859,758
Total.....	\$267,454,791	\$273,156,947	\$296,087,980	\$338,100,127
All manufacturers' excise taxes.....	\$346,676,272	\$341,209,946	\$381,644,814	\$417,573,395
Percent automotive to total....	71.4%	73.9%	71.6%	75.4%

* Motor vehicles used 57.5% of all lubricating oil and hence paid 57.5% of lubricating oil excise taxes in 1933. In 1934 and 1935 motor vehicles used 59%; and in 1936 56.8%. Automotive share is shown in the above table.

1936 Motor Taxes Climb to New Peak

Aggregate Taxes on Motorists
Have Established New Records
Every Year Except 1921

(in millions)



\$1,448,000,000 Motor Owner Taxes in 1936

	State Registration Fees	State Gasoline Tax	Federal Excise Taxes†	Personal Property City and County Taxes ‡	Total*
1919.....	\$ 64,697,255	\$ 1,022,514	\$101,138,191	\$35,000,000	\$202,365,681
1920.....	102,546,212	1,363,902	149,207,520	40,000,000	295,157,877
1921.....	122,478,654	5,382,111	99,967,423	45,000,000	274,604,682
1922.....	152,047,824	12,703,088	114,793,400	50,000,000	331,329,932
1923.....	188,970,992	38,566,338	155,796,944	55,000,000	440,241,674
1924.....	225,492,252	80,442,295	139,201,755	60,000,000	507,150,141
1925.....	260,619,621	148,358,087	143,430,709	62,000,000	616,273,492
1926.....	288,282,352	187,603,231	96,255,639	66,000,000	638,272,350
1927.....	301,061,132	258,838,813	60,473,708	68,000,000	688,373,653
1928.....	322,630,025	304,871,766	20,386,176	69,000,000	716,887,967
1929.....	347,843,543	431,311,519	.....	70,000,000	849,155,062
1930.....	355,704,860	493,865,117	.....	70,000,000	919,569,997
1931.....	344,337,654	536,397,458	.....	68,000,000	948,735,112
1932.....	324,273,510	513,047,239	81,290,193	68,382,000	986,992,942
1933.....	302,715,884	518,195,712	247,744,425	70,000,000	1,138,656,021
1934.....	307,260,000	565,027,000	252,151,729	80,400,000 ¹	1,204,838,729
1935.....	322,974,000	616,851,671	273,324,821	85,500,000 ¹	1,298,650,492
1936.....	359,783,000	686,631,000	314,352,976	87,500,000 ¹	1,448,266,976

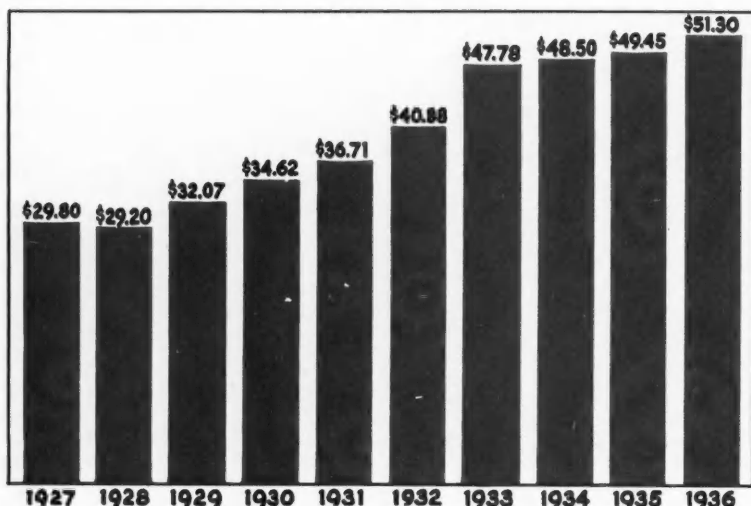
These are taxes on the motor vehicle owners. Income and property taxes on motor vehicle, body, parts and tire factories, garages, dealers, repair shops, terminals and truck, taxicab and bus operating companies are not included.

*Totals include Federal tax on vehicles for hire (fiscal year): 1919—\$507,721 1920—\$2,040,243 1921—\$1,776,494 1922—\$1,735,620 1923—\$1,907,400 1924—\$2,013,839 1925—\$1,865,075 1926—\$1,311,128.

†Figures from Bureau of Internal Revenue; War tax removed May 29, 1928. ‡Estimated by Automobile Manufacturers Association, including bridge and tunnel tolls.

¹ Includes state motor carrier taxes: 1934—\$9,402,000; 1935—\$12,421,000; 1936 est.—\$12,500,000.

Taxes Per Vehicle Increased 72% in Ten Years



1936 House Trailer Factory Sales 16,173 Valued at \$8,496,000

(Source: U. S. Census Bureau)

	Total All Types	House or Coach Trailers	House Cars ¹	Pass. Car Trailers ² Other Types	Motor Truck Trailers	Motor Truck Semi- Trailers
Number of Manu- facturers ³	357	201	6	73	67	116
Number of Trail- ers Sold	53,646	16,173	10	11,069	2,519	23,875
Total Factory Value ⁴	\$27,421,763	\$8,496,021	\$9,521	\$771,627	\$2,296,444	\$15,848,150

¹—Body resting entirely on propelling vehicle.

²—Includes all types of passenger car trailers, except those classified under house or coach trailers and house cars.

³—The aggregate of the number of manufacturers shown for the respective types of trailers exceeds 357 because some manufacturers sell more than one type of trailer.

⁴—Net wholesale (f.o.b. factory) value based on prices charged to dealers, distributors, and branch agencies, including excise taxes.

\$61,700,000 Estimated State Motor Retail Sales Taxes

These are general state retail taxes in addition to special automotive taxes such as gasoline taxes and registration fees

	New Cars	New Trucks	Parts & Accessories	Tires & Tubes	Lub. Oil	Total
Arizona.....	\$ 197,400	\$ 65,600	\$ 89,600	\$ 49,760	\$ 51,702	\$ 454,062
Arkansas.....	304,000	177,200	168,000	94,600	83,636	827,436
California.....	5,946,000	943,800	2,670,000	1,478,580	1,318,211	12,356,591
Colorado.....	554,000	169,400	238,000	132,000	111,304	1,204,704
Florida.....	151,000	44,000	75,000	41,650	.....	311,650
Idaho.....	202,000	83,600	100,600	55,720	47,200	489,120
Illinois.....	5,490,000	872,400	1,935,200	1,078,200	966,418	10,342,218
Indiana.....	900,000	187,300	350,000	194,200	151,657	1,783,157
Iowa.....	1,113,400	242,600	564,060	312,800	248,695	2,481,555
Louisiana.....	139,200	32,780	57,000	33,200	146,236	408,416
Michigan.....	5,280,000	696,900	1,608,000	894,000	807,267	9,286,167
Mississippi.....	194,000	96,900	78,800	43,700	44,269	457,669
Missouri.....	678,000	188,200	315,000	175,000	151,837	1,508,037
New Mexico.....	168,400	85,000	83,200	47,400	40,999	424,999
North Carolina...	1,143,600	400,500	588,000	326,400	282,287	2,740,787
North Dakota....	171,600	50,120	129,400	71,640	60,202	482,962
Ohio.....	5,691,000	842,400	2,080,000	1,152,000	945,433	10,710,833
Oklahoma.....	325,300	101,550	310,200	172,050	148,617	1,057,717
South Dakota....	210,000	55,400	144,500	84,200	61,287	555,387
Utah.....	222,800	66,800	105,200	58,400	44,242	497,442
Washington.....	844,000	199,200	389,600	216,000	172,586	1,821,386
West Virginia....	576,600	171,600	197,200	111,400	98,319	1,155,119
Wyoming.....	150,300	49,680	59,080	32,800	31,694	323,554
Total.....	\$30,652,600	\$5,822,930	\$12,335,640	\$6,855,700	\$6,014,098	\$61,680,968

The above figures were not furnished by the states, but indicate the probable revenue collected by each state having retail sales taxes by applying its rate of tax to the estimated retail volume of each class of sales. The latter for "New Cars" and "New Trucks" was obtained by multiplying each state's new car and truck registrations by an estimated average unit value.

For "Parts and Accessories," the country's wholesale volume, based on the Federal Excise Tax revenue, was given an estimated mark-up and prorated to each state in the ratio of its registration to the total U. S. registration.

For "Tires and Tubes" the Rubber Manufacturers Association figures for wholesale volume were marked-up and prorated also according to the number of cars in use.

For "Lubricating Oil," the American Petroleum Institute's figures for each state's gasoline consumption were made the basis adjusted according to average percentage used by road vehicles, an estimated ratio of oil to gasoline used and an assumed average retail sales price per gallon.

Alabama is omitted above because it had no general sales tax, but a special tax on lubricating oil it is estimated to have yielded \$109,937 in 1936.

No attempt has been made to estimate general sales taxes on other automotive products or services such as used cars, second-hand parts, repairs, garaging, etc.

Motor Vehicle Registration Receipts

(Figures from United States Bureau of Public Roads)

	1931	1932	1933	1934	1935	1936
Alabama.....	\$3,379,392	\$3,038,206	\$2,724,257	\$3,192,000	\$3,528,000	\$4,101,000
Arizona.....	767,508	709,069	647,816	759,000	848,000	1,028,000
Arkansas.....	3,495,545	2,796,023	1,768,850	2,184,000	2,529,000	2,829,000
California.....	9,763,274	9,391,366	9,866,449	9,562,000	10,563,000	21,087,000
Colorado.....	1,910,741	1,946,983	2,035,608	2,149,000	2,207,000	2,589,000
Connecticut....	8,259,542	7,953,950	7,850,589	7,903,000	8,298,000	5,957,000
Delaware.....	1,043,173	1,018,396	1,014,333	924,000	1,011,000	1,102,000
Dist. of Col....	623,460	868,086	625,508	677,000	905,000	963,000
Florida.....	4,851,968	5,267,792	4,994,882	4,493,000	4,955,000	5,546,000
Georgia.....	4,256,553	3,825,528	1,036,241	1,193,000	1,248,000	1,302,000
Idaho.....	1,909,363	1,617,261	1,401,849	1,561,000	1,879,000	2,175,000
Illinois.....	18,426,457	16,966,682	16,229,327	18,284,000	19,076,000	19,410,000
Indiana.....	6,332,101	6,090,486	7,846,883	7,260,000	8,155,000	9,044,000
Iowa.....	12,539,613	11,670,688	10,695,407	9,268,000	9,921,000	10,793,000
Kansas.....	6,059,910	5,438,981	3,056,837	3,278,000	3,495,000	3,815,000
Kentucky.....	4,842,108	4,650,638	4,174,076	3,168,000	3,492,000	4,591,000
Louisiana.....	4,549,244	4,120,002	4,052,816	4,380,000	3,564,000	4,112,000
Maine.....	3,184,091	2,956,638	2,909,237	3,155,000	3,258,000	3,582,000
Maryland.....	3,497,807	3,450,386	3,581,251	3,523,000	4,100,000	4,744,000
Mass.....	7,000,306	6,567,646	6,508,343	6,634,000	6,364,000	6,795,000
Michigan.....	21,821,290	19,835,711	18,560,314	15,907,000	17,601,000	19,737,000
Minnesota.....	10,784,845	10,121,697	6,366,982	6,894,000	7,216,000	8,189,000
Mississippi.....	2,421,287	2,137,953	1,870,396	1,950,000	1,740,000	1,869,000
Missouri.....	10,140,429	9,824,564	9,356,828	7,346,000	8,353,000	8,988,000
Montana.....	1,499,492	1,294,174	1,070,104	1,071,000	1,381,000	1,730,000
Nebraska.....	3,742,401	3,349,152	1,721,834	1,896,000	1,999,000	2,158,000
Nevada.....	388,327	395,440	299,634	248,000	262,000	279,000
New Hamp.....	2,257,459	2,104,096	2,167,421	2,478,000	1,650,000	2,635,000
New Jersey.....	15,891,204	15,413,228	15,377,843	15,976,000	16,630,000	17,850,000
New Mexico....	1,248,097	769,869	666,748	844,000	1,108,000	1,318,000
New York.....	41,877,611	41,272,035	42,318,407	41,895,000	43,453,000	46,291,000
N. Carolina....	6,164,549	5,444,356	5,356,126	6,848,000	6,695,000	7,589,000
N. Dakota.....	1,799,120	1,799,973	1,382,008	1,291,000	1,422,000	1,456,000
Ohio.....	12,818,705	18,424,972	17,677,551	20,273,000	22,008,000	19,235,000
Oklahoma.....	5,857,107	4,789,291	3,382,455	3,511,000	4,137,000	4,743,000
Oregon.....	6,940,504	6,548,171	5,337,137	5,236,000	2,780,000	2,832,000
Penn.....	31,607,172	29,815,715	29,184,792	30,745,000	32,066,000	35,331,000
Rhode Island...	2,272,879	2,183,509	2,198,342	2,315,000	2,416,000	2,596,000
So. Carolina....	2,790,008	2,470,470	2,503,367	2,831,000	1,848,000	1,876,000
So. Dakota.....	2,808,172	2,444,290	1,459,027	1,313,000	1,371,000	1,540,000
Tennessee.....	4,580,685	3,872,094	2,940,010	3,440,000	3,432,000	3,706,000
Texas.....	13,994,647	13,154,999	12,747,489	14,921,000	15,789,000	17,725,000
Utah.....	828,303	801,846	797,598	966,000	1,072,000	976,000
Vermont.....	2,355,913	2,218,413	2,072,717	2,157,000	2,287,000	2,245,000
Virginia.....	6,159,257	6,240,867	6,112,098	5,947,000	5,147,000	5,737,000
Washington....	7,623,570	2,179,547	2,482,758	2,834,000	3,515,000	2,980,000
W. Va.....	4,519,763	4,064,526	3,837,922	6,092,000	4,820,000	5,832,000
Wisconsin.....	11,724,995	10,281,303	9,768,006	10,051,000	10,897,000	12,213,000
Wyoming.....	727,667	676,442	679,411	437,000	483,000	541,000
Total.....	\$344,337,654	\$324,273,510	\$302,715,884	\$307,260,000	\$322,974,000	\$359,783,000

1—Year ending June 30, 1933. 2—10 months ending Oct. 31, 1933. 3—Year ended Sept. 30, 1934.
 4—Year changed from June 30 to Dec. 31. Last 6 months 1933 fees \$1,843,000. 5—Year ended Oct. 31, 1934.
 6—15 months period ended Mar. 31, 1935. 7—Year ended Mar. 31, 1935. 8—9 months period ended Dec. 31, 1936.

State Gasoline Tax Receipts by Years

Exemption Refunds Have Been Excluded

(Figures from United States Bureau of Public Roads)

	1932	1933	1934	1935	1936	Total 1919 to 1936
Alabama.....	\$7,000,502	\$8,033,141	\$9,299,000	\$10,269,346	\$11,754,000	\$87,158,743
Arizona.....	2,900,221	2,679,032	3,028,000	3,277,884	3,841,000	30,817,575
Arkansas.....	5,164,976	5,989,429	7,864,000	8,193,206	9,165,000	75,935,685
California.....	36,128,854	35,217,162	35,960,000	39,971,405	42,996,000	399,123,943
Colorado.....	5,469,220	5,324,996	6,475,000	6,009,533	6,833,000	63,826,302
Connecticut...	4,684,588	4,811,630	4,973,000	5,618,123	8,782,000	55,641,879
Delaware.....	1,090,150	1,127,330	1,185,000	1,476,432	1,853,000	12,379,307
Dist. of Col....	2,035,497	2,082,346	2,063,000	2,197,209	2,382,000	20,306,679
Florida.....	14,508,777	14,249,308	16,499,000	17,865,732	19,925,000	171,695,978
Georgia.....	11,938,809	12,634,513	14,366,000	15,771,723	17,493,000	140,680,327
Idaho.....	2,277,727	2,282,370	2,871,000	3,122,744	3,692,000	27,873,877
Illinois.....	28,754,051	27,833,011	29,126,000	30,060,184	33,458,000	224,465,444
Indiana.....	16,739,561	16,283,202	17,550,000	18,863,788	20,695,000	186,592,104
Iowa.....	8,970,137	9,372,343	11,250,000	11,548,635	12,196,000	108,335,941
Kansas.....	7,420,495	7,731,819	8,516,000	8,830,647	9,372,000	84,431,615
Kentucky.....	8,202,889	8,314,659	9,218,000	9,835,518	11,273,000	96,094,497
Louisiana.....	8,300,722	8,155,436	8,923,000	9,345,443	12,121,000	85,051,727
Maine.....	4,206,702	4,080,371	4,486,000	4,572,566	5,202,000	44,121,248
Maryland.....	7,500,232	7,207,749	7,809,000	8,278,025	8,921,000	77,103,556
Massachusetts.	16,519,278	16,377,352	17,002,000	17,334,090	18,448,000	121,308,859
Michigan.....	20,431,328	19,458,458	20,978,000	22,785,442	25,735,000	225,116,721
Minnesota....	10,000,557	10,014,857	10,845,000	11,126,710	12,133,000	104,053,127
Mississippi....	5,650,161	5,801,725	6,888,000	7,512,175	9,062,000	74,046,931
Missouri.....	8,949,693	9,081,135	9,575,000	9,729,408	11,072,000	97,033,105
Montana.....	2,690,156	2,751,303	3,664,000	3,844,542	4,455,000	32,559,541
Nebraska.....	7,809,465	7,706,261	8,570,000	9,712,186	11,218,000	83,811,873
Nevada.....	727,117	695,663	894,000	961,844	1,080,000	8,461,281
New Hampshire	2,638,841	2,349,849	2,746,000	2,868,166	3,180,000	26,632,239
New Jersey....	16,617,425	16,397,386	17,034,000	18,179,460	19,087,000	138,273,865
New Mexico....	2,192,253	2,265,510	2,557,000	2,859,296	3,389,000	26,304,589
New York.....	42,473,687	43,344,695	43,927,000	56,251,704	55,634,000	319,706,611
North Carolina	13,903,646	14,769,602	16,482,000	18,359,084	19,994,000	163,520,869
North Dakota..	1,835,712	1,923,951	2,262,000	2,322,611	2,245,000	22,160,144
Ohio.....	34,269,179	33,939,981	37,618,000	39,168,786	43,450,000	366,001,234
Oklahoma.....	9,661,097	10,064,685	10,817,000	11,873,923	13,211,000	120,692,650
Oregon.....	5,591,175	6,343,891	7,252,000	7,938,443	9,208,000	74,488,821
Pennsylvania..	30,289,915	30,739,117	33,409,000	40,706,631	49,364,000	365,893,478
Rhode Island..	1,854,025	1,880,972	2,057,000	2,102,500	2,226,000	18,216,690
South Carolina	6,224,927	6,679,326	7,719,000	8,584,144	9,495,000	83,512,835
South Dakota..	2,963,348	3,346,015	3,765,000	4,200,994	4,068,000	40,249,836
Tennessee....	12,185,360	12,979,882	14,114,000	14,966,016	17,177,000	122,804,309
Texas.....	27,063,758	28,479,350	31,640,000	33,598,821	38,467,000	290,531,909
Utah.....	2,171,912	2,188,998	2,514,000	2,713,678	3,087,000	25,713,028
Vermont.....	1,874,648	1,766,152	1,942,000	2,048,561	2,277,000	18,947,257
Virginia.....	10,809,600	11,082,040	12,477,000	13,340,505	14,703,000	124,575,130
Washington....	11,046,510	10,863,214	11,959,000	12,557,308	14,336,000	104,946,749
West Virginia..	4,941,791	4,919,664	5,696,000	6,095,663	6,803,000	59,089,502
Wisconsin.....	14,948,420	15,169,426	15,399,000	16,071,207	17,831,000	133,124,468
Wyoming.....	1,418,145	1,405,415	1,764,000	1,929,590	2,252,000	16,186,883
Total.....	\$513,047,239	\$518,195,712	\$565,027,000	\$616,851,671	\$686,631,000	\$5,399,600,961

\$359,783,000 State Motor

(Preliminary figures subject to correction, compiled from state authorities by the

STATE	Total Receipts, Regist. Fees, etc.	MOTOR VEHICLE FEES			REGISTRATION FEES, OTHER VEHICLES		Total Registration Fees, All Vehicles
		Total Cars and Trucks ¹	Pass. Cars	Motor Trucks	Trailers and Semi-Trailers	Motor-Cycles	
Ala.....	\$4,101,000	\$3,777,000					\$3,777,000
Ariz.....	1,028,000	754,000	\$365,000	\$389,000	\$48,000	\$1,000	803,000
Ark.....	2,829,000	2,361,000	1,287,000	1,074,000	262,000	1,000	2,624,000
Calif.....	21,087,000	18,758,000	14,713,000	4,045,000 [†]	784,000	45,000	19,587,000
Colo.....	2,589,000	1,893,000	1,436,000	457,000	26,000	2,000	1,921,000
Conn.....	5,957,000	3,904,000	2,580,000	1,324,000	15,000	6,000	3,925,000
Del.....	1,102,000	804,000	544,000	260,000 [†]	25,000	1,000	830,000
Fla.....	5,546,000	5,017,000	3,539,000	1,478,000	180,000	5,000	5,202,000
Ga.....	1,302,000	1,293,000	1,013,000	217,000	35,000	3,000	1,268,000
Idaho.....	2,175,000	2,066,000	1,478,000	588,000	29,000	2,000	2,097,000
Ill.....	19,410,000	17,612,000	12,339,000	5,273,000 [†]	143,000	14,000	17,769,000
Ind.....	9,044,000	7,133,000	5,330,000	1,803,000	290,000	6,000	7,429,000
Iowa.....	10,793,000	10,297,000	7,713,000	2,584,000	74,000	7,000	10,378,000
Kans.....	3,815,000	3,584,000	2,769,000	815,000 [†]	66,000	4,000	3,654,000
Ky.....	4,591,000	3,262,000	2,146,000	1,116,000 [§]	2,000	3,264,000
La.....	4,112,000	3,605,000	2,531,000	1,074,000	418,000	3,000	4,026,000
Maine.....	3,582,000	2,703,000	1,949,000	754,000	54,000 [§]	5,000	2,762,000
Md.....	4,744,000	3,141,000	2,566,000	575,000	93,000	7,000	3,241,000
Mass.....	6,795,000	4,188,000	2,699,000	1,489,000	19,000	2,000	4,209,000
Mich.....	19,737,000	16,768,000	11,697,000	5,071,000 [†]	854,000	12,000	17,634,000
Minn.....	8,189,000	7,691,000	5,861,000	1,830,000	225,000	6,000	7,922,000
Miss.....	1,869,000	1,830,000					1,830,000
Mo.....	8,988,000	7,832,000	6,560,000	1,272,000 [†]	110,000	9,000	7,951,000
Mont. ¹⁶	1,730,000	1,480,000	1,087,000	393,000 [†]	5,000	1,000	1,486,000
Neb.....	2,158,000	1,951,000	1,219,000	732,000	34,000	2,000	1,987,000
Nev.....	279,000	252,000	154,000	98,000	9,000	1,000	262,000
N. H.....	2,635,000	2,149,000				5,000	2,154,000
N. J.....	17,850,000	12,641,000	8,817,000	3,824,000	209,000	9,000	12,859,000
N. M.....	1,318,000	1,217,000	819,000	398,000	17,000	1,000	1,235,000
N. Y.....	46,291,000	40,443,000	29,190,000	11,253,000	466,000	46,000	40,955,000
N. C.....	7,589,000	7,350,000	4,820,000	2,530,000 [†]	5,000	7,355,000
N. D.....	1,456,000	1,338,000	1,017,000	321,000	3,000	1,000	1,342,000
Ohio ¹¹	23,256,000	21,029,000	13,439,000	7,590,000 [†]	1,020,000	.....	22,049,000
Okl.....	4,745,000	3,700,000	2,404,000	1,296,000	130,000	4,000	3,834,000
Oregon.....	2,832,000	2,475,000	1,422,000	1,053,000 [†]	5,000	2,480,000
Pa.....	35,331,000	25,626,000	17,518,000	8,108,000	313,000	29,000	25,968,000
R. I.....	2,596,000	2,045,000	1,583,000	462,000	2,000	2,000	2,049,000
S. C.....	1,876,000	1,523,000	1,103,000	420,000	50,000	1,000	1,574,000
S. D.....	1,540,000	1,464,000	1,264,000	200,000	27,000 [*]	1,491,000
Tenn.....	3,706,000	3,526,000					3,526,000
Texas.....	17,725,000	16,711,000	10,982,000	5,729,000	390,000	16,000	17,117,000
Utah.....	976,000	808,000	484,000	324,000 [†]	22,000	1,000	831,000
Vt.....	2,245,000	1,899,000	1,348,000	551,000 ¹²	8,000	4,000	1,911,000
Va.....	5,737,000	5,075,000	3,724,000	1,351,000	48,000	5,000	5,128,000
Wash.....	2,980,000	2,403,000	1,405,000	998,000	162,000	6,000	2,571,000
W. V.....	5,832,000	4,438,000	3,396,000	1,042,000	53,000	6,000	4,497,000
Wisc.....	12,213,000	11,588,000	8,562,000	3,026,000	317,000	11,000	11,919,000
Wyo.....	541,000	501,000	336,000	165,000	25,000 [*]	526,000
D. of C.....	963,000	186,000	163,000	23,000	2,000	1,000	189,000
Totals	359,783,000	304,028,000	207,361,000¹⁴	85,385,000¹⁴	7,062,000¹³	308,000¹²	311,398,000

¹—Registration periods ending not earlier than November 30 and not later than January 31 are considered as calendar-year periods. In the case of states in which the registration period is definitely removed from the calendar year, data on receipts were obtained for the calendar-year period. The figures for Ohio, however, represent receipts for the 9-month period ended December 31, 1936. Stars indicate receipts less than \$500.

²—No segregation of registration fees by type of vehicle was available in Alabama, Mississippi, New Hampshire, and Tennessee. For these states the total motor-vehicle registration fees include those of trailers and motorcycles, except in the case of New Hampshire, for which motorcycle fees were reported separately. Dealers' license fees in Alabama and Tennessee are also included.

³—Includes Bus fees.

Vehicle Registration Fees, 1936

the United States Bureau of Public Roads, calendar year except as noted)¹

MISCELLANEOUS RECEIPTS						
Total	Dealers' Licenses and Plates	Operators' and Chauffeurs' Permits	Certificates of Title	Fines and Penalties	Transfer or Reregistration Fees	Other Miscellaneous
\$324,000		\$227,000		\$88,000		\$9,000
225,000	3,000	35,000	88,000	2,000	36,000	61,000
205,000	18,000	123,000		7,000	8,000	49,000
1,500,000	47,000	176,000		71,000	1,128,000	78,000
668,000	24,000	344,000	195,000	4,000	91,000	10,000
2,032,000	102,000	1,546,000		195,000	123,000	66,000
272,000	6,000	123,000	38,000	67,000	16,000	22,000
344,000	21,000	8,000	203,000		1,000	111,000
34,000	6,000	11,000			8,000	9,000
78,000	26,000	41,000				11,000
1,641,000	87,000	314,000	501,000		639,000	100,000
1,615,000	46,000	566,000	352,000		484,000	167,000
415,000	47,000	78,000		1,000	203,000	86,000
161,000	22,000	40,000			73,000	26,000
1,327,000	24,000	391,000		1,000	107,000	804,000
86,000	13,000	77,000		9,000		—13,000
820,000	58,000	523,000		21,000	156,000	62,000
1,503,000	42,000	303,000	716,000	275,000	127,000	40,000
2,586,000	67,000	2,442,000		11,000		66,000
2,103,000	71,000	673,000	854,000		369,000	136,000
267,000	47,000	126,000	1,000	68,000		25,000
39,000	2,000			33,000		4,000
1,037,000	77,000	206,000	437,000	2,000	293,000	22,000
244,000	19,000	112,000	34,000	30,000	43,000	6,000
171,000	15,000	26,000			124,000	6,000
17,000	3,000		1,000		11,000	2,000
481,000	23,000	357,000		88,000		13,000
4,991,000	65,000	3,582,000	547,000	146,000	557,000	94,000
83,000	7,000			1,000	23,000	52,000
5,336,000	196,000	3,188,000		453,000	1,217,000	282,000
234,000		136,000	163,000			—65,000
114,000	16,000	41,000	56,000			1,000
1,207,000	174,000	651,000				382,000
909,000	43,000		295,000			571,000
352,000	21,000	85,000	190,000	27,000		29,000
9,363,000	347,000	5,204,000	1,958,000	471,000	1,179,000	204,000
547,000	16,000	397,000			90,000	44,000
302,000	17,000	178,000		40,000	19,000	48,000
49,000	15,000		25,000			9,000
180,000				35,000		145,000
608,000	44,000	186,000			209,000	169,000
145,000	12,000	17,000	66,000	5,000	25,000	20,000
334,000	25,000	268,000			50,000	—9,000
609,000	55,000	82,000	246,000		171,000	55,000
409,000	12,000	111,000	141,000			145,000
1,335,000	48,000	196,000	1,001,000		66,000	24,000
294,000	28,000	35,000			219,000	12,000
15,000	6,000				8,000	1,000
774,000	5,000	287,000	103,000	329,000	37,000	13,000
48,385,000	2,068,000	23,512,000	8,211,000	2,480,000	7,910,000	4,204,000
						Totals

¹—Trailers of 1,000 pounds capacity or more prohibited on highways, although permitted in cities under city licenses. Tractor-semi trailers registered as trucks. Light trailers permitted but not registered.

²—Fees of light trailers and commercial semi trailers only. Fees of commercial full trailers included with those of motor trucks.

¹⁰—Registration fees are collected by counties, and state does not maintain complete record. Figures given are estimates supplied by state.

¹¹—For 9-month period ended December 31, 1936. Data for full calendar year not available.

¹²—Fees of light delivery trucks included with those of automobiles.

¹³—Totals of columns for which fully classified totals were not available for all states.

\$686,631,000 State Gas Taxes in 1936

(Compiled for calendar year from reports of state authorities, by the
U. S. Bureau of Public Roads)¹

RECEIPTS FROM TAXATION OF MOTOR FUEL OTHER RECEIPTS IN CONNECTION WITH MOTOR-FUEL TAX¹

State	Gross Receipts	Refunds Paid	Net Receipts	Dis-tributors' Dealers' License ²	Inspection Fees ³	Fines and Penalties	Mis-cellaneous Receipts ⁴	Total	Net Total Receipts
Ala.....	11,754,000		11,754,000	.....*	49,000			49,000	11,803,000
Ariz.....	4,483,000	642,000	3,841,000	.....*		2,000		2,000	3,843,000
Ark.....	9,155,000		9,155,000	.....	80,000			80,000	9,235,000
Calif.....	47,429,000	4,433,000	42,996,000	12,000				12,000	43,008,000
Colo.....	7,855,000	1,022,000	6,833,000						6,833,000
Conn.....	8,967,000	185,000	8,782,000	53,000				53,000	8,835,000
Del.....	1,962,000	109,000	1,853,000	3,000		*		3,000	1,856,000
Fla.....	19,925,000		19,925,000	33,000	359,000			392,000	20,317,000
Ga.....	17,493,000		17,493,000						17,493,000
Idaho.....	4,094,000	402,000	3,692,000	1,000		*	3,000	4,000	3,696,000
Ill.....	35,398,000	1,940,000	33,458,000		359,000	2,000		361,000	33,819,000
Ind.....	22,127,000	1,432,000	20,695,000	.....*	458,000		1,000	459,000	21,154,000
Iowa.....	13,585,000	1,389,000	12,196,000						12,196,000
Kan.....	9,372,000		9,372,000	6,000	100,000		42,000	148,000	9,520,000
Ky.....	11,273,000		11,273,000			3,000	1,000	4,000	11,277,000
La.....	12,121,000		12,121,000		86,000	*		86,000	12,207,000
Me.....	5,370,000	168,000	5,202,000	.....*					5,202,000
Md.....	9,542,000	621,000	8,921,000						8,921,000
Mass.....	19,348,000	900,000	18,448,000						18,448,000
Mich.....	26,925,000	1,190,000	25,735,000	3,000		1,000		4,000	25,739,000
Minn.....	13,994,000	1,861,000	12,133,000	1,000	194,000	1,000	*	196,000	12,329,000
Miss.....	9,577,000	515,000	9,062,000	.....*					9,062,000
Mo.....	11,360,000	288,000	11,072,000		116,000			116,000	11,188,000
Mont.....	5,249,000	794,000	4,455,000						4,455,000
Neb.....	11,443,000	225,000	11,218,000		102,000			102,000	11,320,000
Nev.....	1,166,000	86,000	1,080,000	.....*					1,080,000
N. H.....	3,266,000	86,000	3,180,000				1,000	1,000	3,181,000
N. J.....	21,304,000	2,217,000	19,087,000	16,000		*	3,000	19,000	19,106,000
N. M.....	3,715,000	326,000	3,389,000	21,000				21,000	3,410,000
N. Y.....	57,221,000	1,587,000	55,634,000	59,000			16,000	75,000	55,709,000
N. C.....	20,423,000	429,000	19,994,000		962,000		5,000	967,000	20,961,000
N. D.....	3,088,000	843,000	2,245,000	.....*	56,000			56,000	2,301,000
Ohio.....	45,198,000 ⁵	1,748,000	43,450,000	.....*					43,450,000
Okl.....	14,094,000	883,000	13,211,000			5,000		5,000	13,216,000
Oregon.....	10,492,000	1,284,000	9,208,000			1,000	9,000	10,000	9,218,000
Pa.....	49,364,000		49,364,000			12,000	7,000	19,000	49,383,000
R. I.....	2,396,000	170,000	2,226,000	4,000				4,000	2,230,000
So. Car.....	9,650,000	155,000	9,495,000		200,000			200,000	9,695,000
So. Dak.....	4,320,000	252,000	4,068,000		118,000			118,000	4,186,000
Tenn.....	17,177,000		17,177,000		981,000			981,000	18,158,000
Texas.....	43,495,000	5,028,000	38,467,000				4,000	4,000	38,471,000
Utah.....	3,087,000		3,087,000	1,000			*	1,000	3,088,000
Vt.....	2,277,000		2,277,000	.....*					2,277,000
Va.....	15,576,000	873,000	14,703,000	.....*		11,000		11,000	14,714,000
Wash.....	15,612,000	1,276,000	14,336,000	.....*			9,000	9,000	14,345,000
W. Va.....	7,067,000	264,000	6,803,000	7,000				7,000	6,810,000
Wis.....	19,299,000	1,468,000	17,831,000		197,000			197,000	18,028,000
Wyo.....	2,252,000		2,252,000	2,000				2,000	2,254,000
D. of C.....	2,395,000	13,000	2,382,000	11,000				11,000	2,393,000

Total.. 723,735,000 37,104,000 686,631,000 233,000 4,417,000 38,000 101,000 4,789,000 691,420,000

¹—Stars indicate amounts less than \$500.

²—Fees for inspection of motor-vehicle fuel. Wherever possible fees for inspection of kerosene and other non-motor-vehicle fuels have been eliminated.

³—Includes fees for motor-fuel carrier permits, refund or exemption permits, interest on deposits, and miscellaneous unclassified receipts.

⁴—A special tax of 3 cents per gallon in Hancock County and 2 cents per gallon in Harrison County is imposed for sea-wall protection. The receipts from these taxes were \$130,000 in 1936. These receipts are distributed back to the respective counties.

⁵—Ohio imposes a 3-cent tax on motor-vehicle fuel and a 1-cent tax on all liquid fuels. The receipts from the 1-cent tax applicable to non-motor-vehicle fuels (kerosene, fuel oil, etc.) were \$689,000. These receipts have been eliminated from the total given, which represents a 4-cent tax on motor-vehicle fuel.

Motor Fuel Consumption and Refunds, 1936

(Source: U. S. Bureau of Public Roads)

THOUSANDS OF GALLONS							
State	Gross Amount Assessed for Taxation	Amount Subject to Refund of Entire Tax	Net Amt. on which Tax was Earned	Amount Taxed at Full Rate	Approx. Amount Taxed for Highway Use ¹ 1936	Amount 1935	Percent Change
Ala.	199,040	.....	199,040	199,040	199,040	172,474	15.4
Ariz.	91,068	11,559	79,509	79,509	79,509	67,323	18.1
Ark.	148,276	.....	148,276	133,884	148,276	131,784	12.5
Calif.	1,607,773	147,780	1,459,993	1,459,993	1,459,993	1,340,137	8.9
Colo.	194,949	22,288	172,661	172,661	172,661	152,324	13.3
Conn.	293,424	6,206	287,218	287,218	287,218	263,781	8.9
Del.	49,742	2,675	47,067	47,067	47,067	42,948	9.6
Fla.	288,079	.....	288,079	288,079	288,079	256,609	12.3
Ga.	298,673	.....	298,673	298,673	298,673	264,617	12.9
Idaho	83,039	8,135	74,904	74,701	74,701	63,743	17.2
Ill.	1,191,915	68,583	1,123,332	1,123,332	1,123,332	1,015,019	10.7
Ind.	561,709	35,800	525,909	525,909	525,909	472,010	11.4
Iowa	460,298	48,754	411,544	411,544	411,544	386,489	6.5
Kansas	316,438	.....	316,438	316,438	316,438	295,308	7.2
Ky.	228,333	.....	228,333	228,333	228,333	201,324	13.4
La.	212,547	.....	212,547	212,547	212,547	186,201	14.1
Maine	133,109	.....	133,109	127,513	127,513	114,532	11.3
Md.	241,500	14,964	226,536	224,319	226,536	204,850	10.6
Mass.	654,309	29,379	624,930	624,930	624,930	584,233	7.0
Mich.	912,658	39,682	872,976	872,976	871,512	767,987	13.5
Minn.	462,685	58,259	404,426	404,426	404,426	374,701	7.9
Miss.	162,144	.....	162,144	151,880	151,880	123,291	23.2
Mo.	567,750	19,539	548,211	548,211	548,211	498,350	10.0
Mont.	105,814	15,367	90,447	90,447	90,447	77,393	16.9
Neb.	223,222	.....	223,222	223,222	223,222	219,165	1.8
Nev.	29,416	1,996	27,420	27,420	27,420	24,046	14.0
N. H.	80,898	2,150	78,748	78,748	78,748	71,992	9.4
N. J.	710,831	52,977	657,854	657,854	657,854	594,432	10.7
New Mex.	76,071	6,525	69,546	69,546	69,546	57,987	19.9
N. Y.	1,658,139	39,017	1,619,122	1,619,122	1,619,122	1,495,863	8.2
No. Car.	343,677	.....	343,677	335,097	335,097	305,579	9.7
No. Dak.	102,820	25,799	77,021	77,021	77,021	78,877	-2.4
Ohio	1,133,351	9,998	1,123,353	1,078,255	1,078,255	965,240	11.7
Okla.	354,849	22,606	332,243	332,243	332,243	299,593	10.9
Oregon	211,915	25,050	186,865	186,092	186,092	160,434	16.0
Pa.	1,277,225	.....	1,277,225	1,277,225	1,277,225	1,171,439	9.0
R. I.	122,289	7,889	114,400	114,400	114,400	106,133	7.8
So. Car.	161,133	.....	161,133	161,133	160,810	143,014	12.4
So. Dak.	109,510	.....	109,510	98,447	98,447	96,531	2.0
Tenn.	252,665	.....	252,665	252,665	252,665	216,386	16.8
Texas	1,084,654	125,697	958,957	958,957	958,957	835,942	14.7
Utah	78,183	.....	78,183	78,183	77,912	69,396	12.3
Vt.	57,697	.....	57,697	57,697	57,697	51,388	12.3
Va.	316,556	17,454	299,102	299,102	299,102	272,169	9.9
Wash.	313,739	25,518	288,221	288,221	288,221	252,601	14.1
W. Va.	180,582	5,952	174,630	174,630	174,630	153,105	14.1
Wis.	488,287	35,778	452,509	452,509	452,509	405,909	11.5
Wyo.	56,296	.....	56,296	56,296	55,482	47,445	16.9
Dist. of Col.	122,245	620	121,625	121,625	121,625	111,983	8.6
Total...	19,011,522	933,996	18,077,526	17,979,340	17,993,077	16,264,077	10.6

¹—Thirteen states do not provide for exemption or refunds for non-highway use. The amounts entered for these states, indicated by stars, include both highway and non-highway uses.

—Includes 113,859,000 gallons taxed at 5 cents per gallon and 98,688,000 gallons taxed at 7 cents per gallon.

—Excludes 1,464,000 gallons of aviation fuel taxed at 3 cents per gallon.

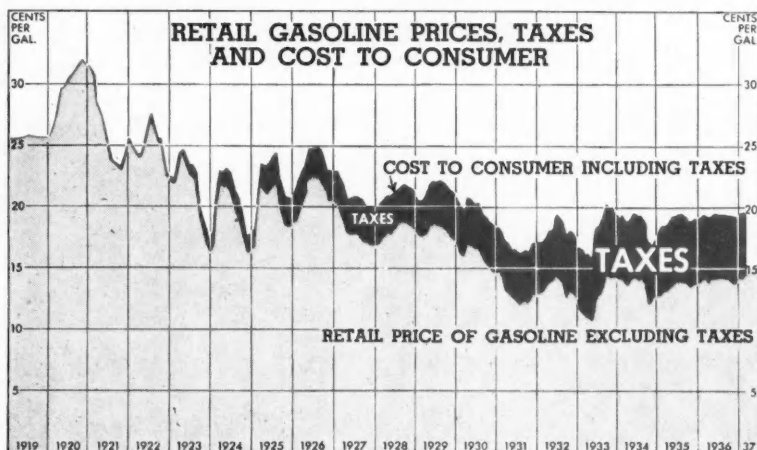
—Includes 705,520,000 gallons taxed at 4 cents per gallon and 913,602,000 gallons taxed at 3 cents per gallon.

—Excludes 323,000 gallons of aviation fuel.

—Excludes 271,000 gallons of aviation fuel.

—Excludes 814,000 gallons of aviation fuel.

The Gasoline Tax "River" Widens



Gasoline Prices and Taxes 1919-1936

(Figures from American Petroleum Industries Committee)

50 Representative Cities, Average First of Month, in Cents per Gallon

	Tank Wagon (Ex. Tax)	Service Station (Ex. Tax)	State and Federal Gasoline Tax	Service Station (Inc. Tax)
1919.....	\$. 2411	\$. 2541	\$. 0006	\$. 2547
1920.....	.2805	.2974	.0009	.2983
1921.....	.2409	.2611	.0020	.2631
1922.....	.2263	.2482	.0038	.2520
1923.....	.1866	.2106	.0091	.2197
1924.....	.1686	.1946	.0148	.2094
1925.....	.1746	.2009	.0211	.2220
1926.....	.1842	.2097	.0241	.2338
1927.....	.1581	.1828	.0281	.2109
1928.....	.1561	.1790	.0304	.2094
1929.....	.1557	.1792	.0350	.2142
1930.....	.1449	.1616	.0379	.1995
1931.....	.1178	.1298	.0400	.1698
1932.....	.1245	.1330	.0463	.1793
1933.....	.1162	.1241	.0541	.1782
1934.....	.1226	.1364	.0520	.1884
1935.....	.1202	.1355	.0529	.1884
1936.....	.1263	.1410	.0535	.1945

Gasoline Tax Rates by States

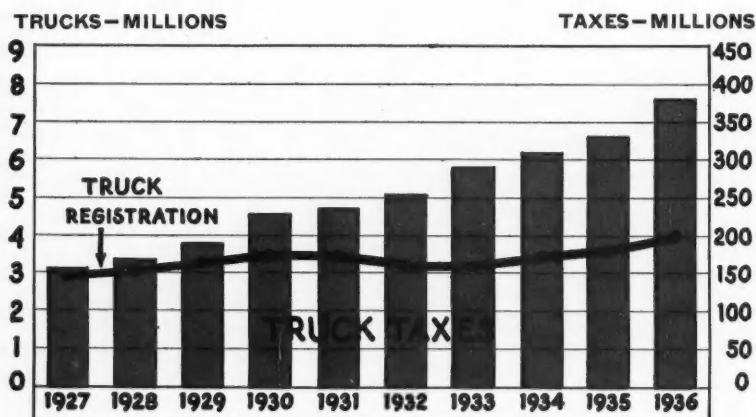
Figures show cents per gallon levied by states. Federal, county and municipal gas taxes are not included.

	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937
Ala.....	2	2	2	2-4	4	4	4	4-5	5-6	6	6	6	6	6
Ariz.....	3	3	3	3-4	4	4	4	4-5	5	5	5	5	5	5
Ark.....	4	4	4	4-5	5	5	5	5-6	6	6	6-6½	6½	6½	6½
Calif.....	2	2	2	2-3	3	3	3	3	3	3	3	3	3	3
Colo.....	2	2	2	2-3	3	3-4	4	4	4	4	4-5-4	4	4	4
Conn.....	1	1-2	2	2	2	2	2	2	2	2	2	2-3	3	3
Delaware..	2	2	2	2-3	3	3	3	3	3	3	3	3-4	4	4
Florida...	3	3-4	4	4-5	5	5-6	6	6-7	7	7	7	7	7	7
Georgia...	3	3-3½	3½	3½-4	4	4-6	6	6	6	6	6	6	6	6
Idaho.....	2	2-3	3	3-4	4	4	4-5	5	5	5	5	5	5	5
Illinois...	..	..	..	0-2	0-2	0-3	3	3	3	3	3	3	3	3
Indiana...	2	2-3	3	3	3	3-4	4	4	4	4	4	4	4	4
Iowa.....	..	0-2	2	2-3	3	3	3	3	3	3	3	3	3	3
Kansas...	..	0-2	2	2	2	2-3	3	3	3	3	3	3	3	3
Kentucky..	1-3	3	5	5	5	5	5	5	5	5	5	5	5	5
Louisiana..	1-2	2	2	2	2	2-4	4-5	5	5	5	5	5	5-7	7
Maine....	1	1-3	3	3-4	4	4	4	4	4	4	4	4	4	4
Maryland..	2	2	2	2-4	4	4	4	4	4	4	4	4	4	4
Mass.....	..	..	..	..	..	2	2	2-3	3	3	3	3	3	3
Michigan..	..	0-2	2	2-3	3	3	3	3	3	3	3	3	3	3
Minn.....	..	0-2	2	2	2	2-3	3	3	3	3	3	3	3	3-4*
Miss.....	1-3	3	4	4	4-5	5	5	5-5½	5½-6	6	6	6	6	6
Missouri..	..	2	2	2	2	2	2	2	2	2	2	2	2	2
Montana...	2	2	2	3	3	3-5	5	5	5	5	5	5	5	5
Nebraska..	..	0-2	2	2	2	2-4	4	4	4	4	4	4-5	5	5
Nevada...	2	2-4	4	4	4	4	4	4	4	4	4	4	4	4
N. Hamp...	2	2	2	2-3	4	4	4	4	4	4	4	4	4	4
N. Jersey..	..	..	..	0-2	2	2	2-3	3	3	3	3	3	3	3
N. Mexico..	1	1-3	3	3-5	5	5	5	5	5	5	5	5	5	5
New York..	..	..	..	..	..	0-2	2	2	2-3	3	3	3-4	4-3	3-4*
N. Car....	3	3-4	4	4	4	4-5	5	5-6	6	6	6	6	6	6
N. Dak....	1	1	1-2	2	2	2-3	3	3	3	3	3	3	3	3
Ohio.....	..	0-2	2	2-3	3	3-4	4	4	4	4	4	4	4	4
Oklahoma..	1-2½	2½-3	3	3	3	3-4	4	4-5	4	4	4	4	4	4
Oregon....	3	3	3	3	3	3	4	4	4	4-5	5	5	5	5
Penn.....	2	2	2	2-3	3	3-4	4-3	3	3	3	3	3-4	4	4
R. Island..	..	0-1	1	1-2	2	2	2	2	2	2	2	2	2-3*	3*
S. Car....	3	3-5	5	5	5	5-6	6	6	6	6	6	6	6	6
So. Dak...	2	2-3	3	3-4	4	4	4	4	4	4	4	4	4	4
Tenn.....	2	2-3	3	3	3	3-5	5	5-6-7	7	7	7	7	7	7
Texas....	1	1	1	1-3	3-2	2-4	4	4	4	4	4	4	4	4
Utah.....	2½	2½-3½	3½	3½	3½	3½	3½	3½-4	4	4	4	4	4	4
Vermont...	1	1-2	2	2-3	3	3-4	4	4	4	4	4	4	4	4
Virginia...	3	3	3-4½	4½	4½-5	5	5	5	5	5	5	5	5	5
Wash.....	2	2	2	2	2	2-3	3	3-5	5	5	5	5	5	5
W. Va....	2	2-3½	3½	3½-4	4	4	4	4	4	4	4	4	4	4-5*
Wisconsin..	..	0-2	2	2	2	2	2	2-4	4	4	4	4	4	4
Wyoming...	1	1-2½	2½	2½-3	3	3-4	4	4	4	4	4	4	4	4
D. of C....	0-2	2	2	2	2	2	2	2	2	2	2	2	2	2

NOTE—The above table is corrected as of June 1st, 1937.

*Rate increases effective—Minn., Apr. 23; N. Y., May 10; R. I., Apr. 21; W. Va., Apr. 1.

1936 Motor Truck Taxes Set Record



1936 Special Truck Taxes \$383,563,000

Personal property taxes on trucks in operation, income and property taxes on garages, terminals, repair shops, and trucking companies are not included.

In Thousands of Dollars

	Regi- stration Fees (State)	Gaso- line Tax (State)	Miscel- laneous Taxes (State)	Federal Excise Taxes	Special City & County Taxes	Total Special Taxes	Average Per Truck Registered
1927	\$64,691	\$75,108	\$ 4,896	.....	\$ 6,000	\$150,695	\$51.80
1928	69,400	87,161	5,467	.....	6,400	168,428	54.15
1929	72,823	108,506	6,352	.....	6,800	194,481	57.50
1930	78,789	138,055	7,042	.....	7,200	231,086	66.40
1931	76,616	144,756	7,724	.....	7,600	236,696	68.50
1932	74,046	139,376	7,360	\$23,537	8,000	252,319	78.25
1933	68,659	142,287	8,525	61,936	8,750	290,157	90.31
1934	71,852	154,170	10,768	63,038	9,000	308,828	90.92
1935	78,598	161,743	11,228	68,331	10,000	329,900	90.50
1936	89,160	191,455	13,860	78,588	10,500	383,563	95.60

Special Motor Truck Taxes by States

State Registration Fees and State and Federal Gasoline Taxes on Trucks Are Shown

	1935			1936		
	State License Fees*	Gasoline Tax	1935 Total	State License Fees*	Gasoline Tax	1936 Total
Alabama.....	\$840,827 ¹	\$3,275,076	\$4,115,903	\$1,179,692 ¹	\$4,261,740	\$5,441,432
Arizona.....	350,244	1,293,408	1,683,652	476,375	1,210,980	1,687,355
Arkansas.....	1,019,881	3,609,630	4,629,511	1,381,100	4,305,420	5,686,520
California.....	3,628,454	12,187,584	15,816,038	5,001,500	12,837,648	17,839,148
Colorado.....	450,013	1,705,800	2,155,813	550,468	1,915,800	2,466,268
Connecticut.....	1,970,639	2,427,048	4,397,687	1,645,832	2,882,784	4,528,616
Delaware.....	302,376	523,368	825,744	330,696	600,600	931,296
Florida.....	1,449,210	5,491,104	6,940,314	1,714,760	6,132,960	7,847,720
Georgia.....	234,594	5,550,636	5,785,230	258,018	6,108,984	6,367,002
Idaho.....	526,450	1,538,712	2,065,162	632,132	1,861,344	2,493,496
Illinois.....	4,639,907	8,791,440	13,431,347	5,616,202	9,748,704	15,364,906
Indiana.....	2,158,140	7,966,020	10,124,160	2,338,480	8,268,540	10,607,020
Iowa.....	2,498,053	3,865,392	6,363,445	2,705,725	4,024,752	6,730,477
Kansas.....	803,772	3,796,800	4,600,572	905,311	4,181,424	5,086,735
Kentucky.....	1,059,714	3,140,136	4,199,850	1,300,453	3,732,480	5,032,933
Louisiana.....	1,204,770	4,276,656	5,481,426	1,512,898	6,037,496	7,550,394
Maine.....	963,490	2,284,740	3,248,230	983,480	2,456,880	3,440,360
Maryland.....	766,612	2,911,680	3,678,292	884,432	3,263,880	4,148,312
Massachusetts.....	1,618,093	4,819,728	6,437,821	1,833,836	4,926,240	6,760,076
Michigan.....	5,306,022	6,008,496	11,314,518	6,137,403	6,971,232	12,808,635
Minnesota.....	1,839,025	5,081,328	6,920,353	2,093,982	5,493,504	7,587,486
Mississippi.....	722,073 ¹	2,797,704	3,519,777	969,064 ¹	3,642,156	4,611,220
Missouri.....	1,379,971	4,169,484	5,549,455	1,545,846	4,606,956	6,152,802
Montana.....	308,242	2,559,024	2,867,266	455,340	2,830,392	3,285,732
Nebraska.....	696,780	3,307,024	4,003,804	790,966	4,362,840	5,153,806
Nevada.....	111,457	412,500	523,957	110,383	460,800	571,183
New Hampshire.....	593,709 ¹	1,384,860	1,978,569	649,354 ¹	1,492,500	2,141,854
New Jersey.....	4,427,931	5,993,568	10,421,499	4,721,758	6,237,120	10,958,878
New Mexico.....	380,373	1,313,640	1,694,013	432,430	1,643,256	2,075,686
New York.....	11,583,283	13,811,355	25,394,638	12,412,680	17,236,368	29,649,048
North Carolina.....	1,894,235	4,866,204	6,760,439	2,562,292	5,857,992	8,420,284
North Dakota.....	340,824	1,381,440	1,722,264	344,178	1,423,200	1,767,378
Ohio.....	7,736,803	9,716,040	17,452,843	8,727,079	10,336,380	19,063,459
Oklahoma.....	1,269,447	4,971,300	6,240,747	1,580,530	5,438,280	7,018,810
Oregon.....	990,114	3,066,048	4,056,162	1,110,728	3,931,128	5,041,856
Pennsylvania.....	8,670,916	9,619,092	18,290,008	9,769,272	16,626,600	26,395,872
Rhode Island.....	514,596	663,408	1,178,004	528,546	674,028	1,202,574
South Carolina.....	397,789	2,499,924	2,897,713	508,052	2,954,028	3,462,080
South Dakota.....	200,301	1,615,860	1,816,161	234,399	1,692,960	1,927,359
Tennessee.....	908,849 ¹	3,530,604	4,439,453	1,163,036 ¹	4,933,152	6,096,188
Texas.....	5,277,287	15,423,300	20,700,587	6,236,344	17,158,620	23,394,964
Utah.....	352,997	1,055,220	1,408,217	370,070	1,163,820	1,533,890
Vermont.....	562,900	541,860	1,104,760	594,070	530,700	1,124,770
Virginia.....	1,309,117	4,347,072	5,656,189	1,494,004	4,693,104	6,187,108
Washington.....	1,618,736	4,943,304	6,562,040	1,225,031	5,726,736	6,951,767
West Virginia.....	746,346	1,758,300	2,504,646	1,301,925	2,608,980	3,910,905
Wisconsin.....	2,887,165	7,808,640	10,695,805	3,403,862	8,679,180	12,083,042
Wyoming.....	175,573	875,580	1,051,153	193,030	928,440	1,121,470
Dist. of Col.....	98,500	633,960	732,460	103,174	662,292	765,466
U. S. Total. . .	\$89,826,600	\$205,611,097	\$295,437,697	\$103,020,218	\$239,455,400	\$342,475,618

*Includes trailer fees, proportion of dealers, operators, chauffeurs' permits and miscellaneous receipts.

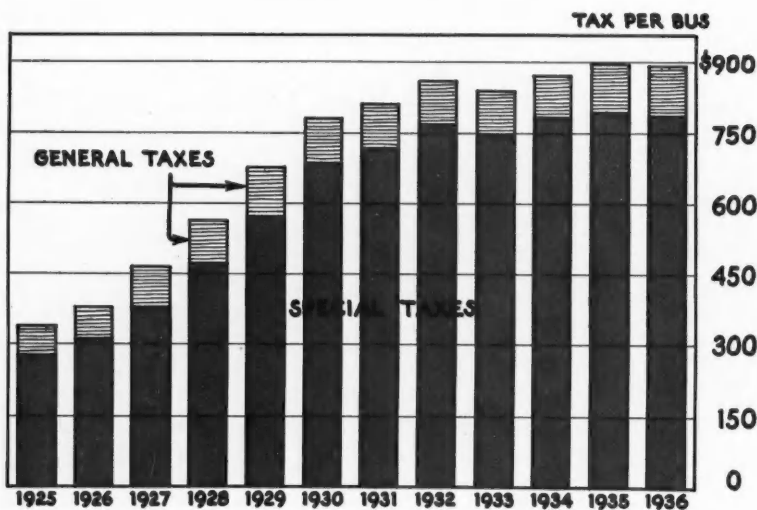
¹ Estimated by multiplying U. S. average tax per truck, for those states segregating truck taxes, by the number of trucks registered.

No attempt has been made to estimate Federal excise taxes on new trucks (2% of wholesale value), parts and accessories (2%), lubricating oil (4 cts. a gallon), tires (2½ cts a lb.), inner tubes (4 cts. a lb.). Nor has an estimate been included for special municipal and county gasoline taxes and registration fees on trucks effective in many states.

Personal property taxes and general sales taxes have likewise not been included. The table represents state registration fees and state and Federal gasoline taxes only.

The gasoline tax paid by trucks has been estimated by multiplying the trucks registered in each state by a yearly average consumption of 1200 gallons per truck, times the gas tax rate effective in each state plus Federal excise of 1 cent.

Special Taxes Per Bus Increased 150% in Ten Years



Revenue Buses Paid \$38,475,500 Special Taxes, 1936

(Figures from National Association of Motor Bus Operators)

Year	Special Taxes	General Taxes	Total Bus Taxes	Special Taxes Per Bus	General Taxes Per Bus	Total Taxes Per Bus	Special Tax Per Bus Per Mile of Highway Used
1925.....	\$10,300,000	\$2,300,000	\$12,600,000	\$274.29	\$61.25	\$335.54	\$49.24
1926.....	13,100,000	3,000,000	16,100,000	311.65	71.37	383.02	55.36
1927.....	16,800,000	3,300,000	20,100,000	386.33	75.89	462.22	64.28
1928.....	21,200,000	3,800,000	25,000,000	474.61	85.07	559.68	74.16
1929.....	26,500,000	4,500,000	31,000,000	576.04	97.82	673.86	81.25
1930.....	31,200,000	4,900,000	36,100,000	677.00	106.32	783.32	90.87
1931.....	32,525,000	4,125,000	36,650,000	716.41	90.86	807.27	88.62
1932.....	34,500,000	4,150,000	38,650,000	766.67	92.22	858.89	90.93
1933.....	33,470,000	4,030,000	37,500,000	743.77	89.56	833.33	81.64
1934.....	33,300,000	3,980,000	37,280,000	774.42	92.56	866.98	82.91
1935.....	35,625,000	4,750,000	40,375,000	791.66	105.56	897.22	89.05
1936.....	38,475,500	5,125,500	43,601,000	785.22	104.60	889.82	97.18

1936 Export Summary

Foreign sales of motor vehicles of U. S. design 508,226

	Passenger Cars	Trucks	Total
U. S. Exports and } Foreign assemblies }	211,477	134,590	346,067
Canadian Output . .	128,369	33,790	162,159
Total	339,846	168,380	508,226

Percent of American production sold outside the
United States (Including sales in Canada):

Cars	9.0%
Trucks	20.6%
Total	11.0%

World production of motor vehicles 5,816,022

	Motor Vehicles	% Increase over 1935
United States and Canada . . .	4,616,282	12%
All other countries	1,199,740	19%

Value of United States and Canadian exports
(including tires, parts and accessories) \$275,381,763

	Number Cars and Trucks	Value including Repair Parts and Tires
United States . . .	346,067	\$244,946,263
Canada	55,570	\$ 30,435,500

Rank among United States exports of manufac-
tured products First

Leading export market (excepting Canada):

Passenger Cars	Union of South Africa
Motor Trucks	Japan

Motor vehicles imported into U. S. A. New 461
Used 606

World registration 40,286,573

U. S. registration (28,221,291), percent of world. 70%

Foreign Sales of American Motor Vehicles

Year	PASSENGER CARS			MOTOR TRUCKS			Total Motor Vehicles
	U. S. Exports Inc. Foreign Assemblies*	Canadian Output	Total Cars	U. S. Exports Inc. Foreign Assemblies*	Canadian Output	Total Trucks	
1925..	316,093	135,573	451,666	112,594	26,397	138,991	590,657
1926..	289,135	164,856	453,991	104,309	39,871	144,180	598,171
1927..	331,959	146,827	478,786	137,509	32,227	169,736	648,522
1928..	418,845	196,741	615,586	163,919	45,641	209,560	825,146
1929..	451,079	207,498	658,577	283,132	55,797	338,929	997,506
1930..	247,764	125,442	373,206	157,951	28,750	186,701	559,907
1931..	134,048	65,093	199,141	107,509	17,528	125,037	324,178
1932..	72,889	50,694	123,583	47,350	10,095	57,445	181,028
1933..	98,155	53,849	152,004	78,428	12,003	90,431	242,435
1934..	184,156	92,647	276,803	126,366	24,205	150,571	427,374
1935..	210,367	135,562	345,929	124,474	37,315	161,789	507,718
1936..	211,477	128,369	339,846	134,590	33,790	168,380	508,226

*Includes number of vehicles assembled abroad from parts produced in the United States. These foreign assemblies are also included in the factory sales figures compiled by the U. S. Census Bureau.

11% of American Cars Sold Outside United States

Year	Passenger Cars	Motor Trucks	Total	Year	Passenger Cars	Motor Trucks	Total
1921..	7.3%	10.7%	7.7%	1929..	13.7%	40.9%	17.7%
1922..	8.5%	10.6%	8.8%	1930..	12.8%	31.0%	15.9%
1923..	8.1%	18.1%	9.1%	1931..	9.8%	28.8%	13.1%
1924..	10.1%	21.5%	11.4%	1932..	10.4%	23.4%	12.6%
1925..	11.6%	24.9%	13.3%	1933..	9.3%	25.2%	12.2%
1926..	11.4%	25.8%	13.2%	1934..	12.2%	25.1%	14.9%
1927..	15.5%	34.1%	18.1%	1935..	10.2%	22.1%	12.3%
1928..	15.3%	35.5%	17.9%	1935..	9.0%	20.6%	11.0%

Value of Automotive Exports—U. S. and Canada

	1932	1933	1934	1935	1936
Passenger Cars					
United States ¹	\$25,632,918	\$33,945,464	\$80,604,563	\$99,342,411	\$107,483,285
Canada.....	4,282,666	6,812,989	12,988,365	16,885,736	15,289,140
Motor Trucks					
United States ¹	12,210,841	20,691,338	45,125,359	51,995,938	56,765,713
Canada.....	963,295	1,693,070	4,215,429	6,082,846	4,904,102
Parts and Accessories					
United States ¹	37,503,084	30,971,622	48,883,430	65,249,041	67,657,922
Canada.....	1,846,033	1,337,302	2,415,222	2,925,667	2,899,946
Tires, Rubber					
United States ¹	12,049,278	11,717,813	13,521,185	13,037,446	13,039,343
Canada.....	3,249,399	3,581,505	6,537,760	6,986,037	7,342,312
Total					
United States.....	\$87,396,121	\$97,326,237	\$188,134,537	\$229,624,839	\$244,946,263
Canada.....	10,341,393	13,424,866	26,156,776	32,880,286	30,435,500
Grand Total.....	\$97,737,514	\$110,751,103	\$214,291,313	\$262,505,122	\$275,381,763

¹Parts shipped to Canada for assembly have been deducted, but other "parts for assembly" have been included. —Includes shipments to non-contiguous territories.

80% of World Motor Production in United States and Canada

(Figures from Automotive-Aeronautics Trade Division, Department of Commerce)

	1935			1936		
	Passenger Cars	Trucks and Buses	Total	Passenger Cars	Trucks and Buses	Total
United States	3,252,244	694,690	3,946,934	3,669,528	784,587	4,454,115
Canada	135,562	37,315	172,877	128,369	33,798	162,167
U. S. and Canada	3,387,806	732,005	4,119,811	3,797,897	818,385	4,616,282
Austria	2,154	791	2,945*	4,466	809	5,275
Belgium	463	290	753	60	474	534
Czechoslovakia	9,195	783	9,978	11,158	983	12,141
Denmark . . . . .	.....	148	148	.....	250	250
Finland . . . . .	.....	.....	.....	.....	200	200
France	156,010	23,260	179,270	178,354	23,383	201,737
Germany	201,438	41,496	242,934	240,292	57,220	297,512
Hungary . . . . .	.....	111	111	.....	465	465
Italy	40,236	4,972	45,208	40,000	5,000	45,000
Japan	5,020	1,780	6,800	6,784	2,848	9,632
Poland	488	300	788	1,200	1,200	2,400
Soviet Russia	18,954	78,467	97,421*	9,900	128,500	138,400
Spain	96	495	591	NA	NA	NA
Sweden	790	2,614	3,404	875	3,576	4,451
Switzerland . . . . .	.....	460	460	6	290	296
United Kingdom	325,194	91,721	416,915	367,142	114,305	481,447
Total, ex. U. S. & Can.	760,038	247,688	1,007,726	860,237	339,503	1,199,740
Grand Total	4,147,844	979,693	5,127,537	4,658,134	1,157,888	5,816,022

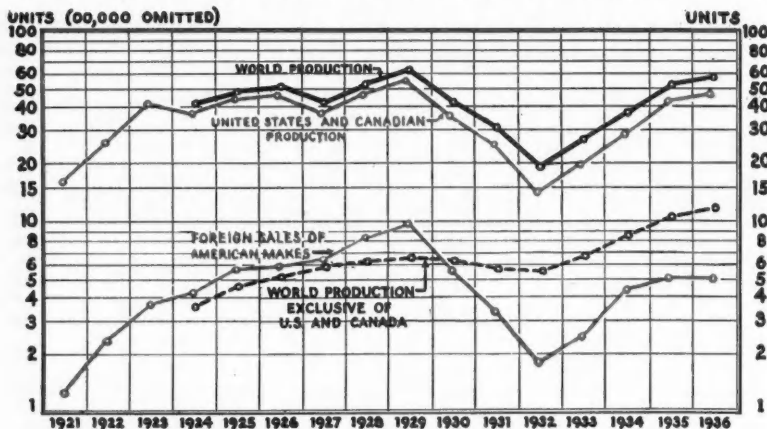
*Revised.

World Motor Vehicle Registrations by Years†

Dec. 31	Outside United States	% Gain Yearly	United States	% Gain Yearly	World Total	% Gain Yearly	U. S. % of World
1916	719,246	..	3,512,996	44	4,232,242	..	83
1919	1,286,948	..	7,565,446	23	8,852,394	..	85
1920	1,710,983	33	9,231,941	22	10,942,924	24	84
1921	2,190,609	28	10,463,295	13	12,653,904	15	83
1922	2,433,737	11	12,238,375	17	14,672,112	16	83
1923	2,931,407	21	15,092,177	23	18,023,584	23	84
1924	3,715,735	27	17,595,373	17	21,311,108	18	83
1925	4,537,973	22	19,937,274	13	24,475,247	15	81
1926	5,512,933	22	22,001,393	10	27,514,326	12	80
1927	6,425,316	17	23,133,243	5	29,558,559	7	78
1928	7,404,651	15	24,493,124	6	31,897,775	8	77
1929	8,473,948	14	26,501,443	8	34,975,391	10	76
1930	9,108,234	8	26,545,281	0.16	35,653,515	2	74
1931	9,277,044	1.9	25,832,884	-2.5	35,109,928	-1.5	73
1932	9,251,275	-2	24,115,129	-6.7	33,366,404	-5	72
1933	9,505,032	2.8	23,843,591	-1.1	33,348,623	-0.05	72
1934	10,191,521	7.0	24,951,662	4.6	35,143,183	5.3	71
1935	11,072,488	8.6	26,230,834	5.2	37,303,322	6.1	70
1936	12,065,282	8.9	28,221,291	7.8	40,286,573	8	70

†For tabulation by countries see pages 82-84.

American Sales Abroad Compared With Foreign Makes



World Exports from Producing Countries

(Figures from Automotive-Aeronautics Trade Division, Department of Commerce)

	Production		Exports		Percent of Production Exported	
	1935	1936	1935	1936	1935	1936
United States	3,946,934	4,454,115	271,383*	285,756*	6.9%	6.3%
Canada	172,877	162,167	64,330	55,570	37.2	34.2
Total	4,119,811	4,616,282	335,713	341,326	8.2	7.4
Austria	2,945	5,275	924	985	31.4	18.6
Belgium	753	534	113	142	15.0	26.6
Czechoslovakia	9,978	12,141	714	1,113	7.1	9.2
Denmark	148	250	.....	.....	.....	.....
Finland .....	.....	200	.....	5	.....	2.5
France	179,270	201,737	18,822	21,401	10.5	10.6
Germany	242,934	297,512	23,423	36,189	9.6	12.2
Hungary	111	465	.....	.....	.....	.....
Italy	45,208	45,000	9,444 ¹	11,774	20.8	26.2
Japan	6,800	9,632	1,361	4,052	20.0	42.1
Poland ²	788	2,400	41	15	.....	.....
Soviet Russia	97,421	138,400	858	1,854	.88	1.3
Spain	591	NA	.....	.....	.....	.....
Sweden	3,404	4,451	1,848 ³	2,637 ³	54.5	59.3
Switzerland	460	296	247	337	53.4	.....
United Kingdom	416,915	481,447	68,202	81,713	16.3	17.0
Total exc. U. S. & Can.	1,007,726	1,199,740	125,997	162,217	12.5	13.5
Grand Total	5,127,537	5,816,022	461,710	503,543	9.0	8.7

*Does not include number of vehicles assembled abroad from parts produced in the United States.

¹—First 9 months.

²—Metric tons.

³—Including exports of American motor vehicles assembled in Sweden most of which are exported to Finland.

Reciprocal Agreements Reduce Trade Barriers

TARIFF REDUCTION					
Country	Date in Effect	Pass. Cars	Trucks	Parts	Increased Quota
Cuba.....	9-3-34	21-50%	6-22%	12½%	.....
Belgium.....	5-1-35	15%	.....	64-80% ¹	.....
Haiti.....	6-3-35	Bound	Bound	Bound	.....
Sweden.....	8-5-35	Bound ³	Bound	Bound ⁴	.....
Brazil.....	1-1-36	20%	20%	20%	.....
Canada.....	1-1-36	12½-20%	12½%	9-21%	.....
Netherlands...	2-1-36	Bound	Bound	Bound	.....
Switzerland...	2-15-36	Agreed not to increase present rates			100% increase
Honduras....	3-2-36	Agreed to maintain on free list			.....
Colombia.....	5-20-36	20-25%	50%	40%	.....
Guatemala ⁴ ...	6-15-36	Bound	Bound	.....	.....
France.....	6-15-36	50% ²	.....	Bound ¹	Passenger cars increased 50%; bodies & body parts 70%.
Nicaragua....	10-1-36	.....	.....	.....	.....
Finland.....	11-2-36	Bound	Bound	Bound	.....
El Salvador...	5-31-37	.....	.....	.....	.....
Costa Rica....	(⁵)	.....	.....	.....	.....

¹—Selected parts.

²—Applies to 3,062 quintals of chassis for passenger cars imported by French body builders. (1 quintal—220.4 pounds).

³—Chassis only.

⁴—If for manufacture or assembly.

⁵—Subject to ratification.

⁶—Surtax eliminated.

Notes—The tariff preference on automobiles granted by Cuba to the United States is now 25% instead of 20%.

A "bound" duty is frozen at existing levels, which in the above countries was low, and which is not to be increased for the life of the agreement.

Raw Materials Used in A

Automobile Industry is Largest User of Steel

	Percent Used by Motor Industry	Rank as Consumer
Strip ¹	57.8%	First
Bars ¹	35.8%	First
Sheets ¹	41.6%	First
Malleable iron	53.0%	First
Alloy steel ¹	60.0%	First
Steel, all forms	20.3%	First

	Amount Used in Manufacturing and Repairs
*Steel (gross tons)	6,500,000
Production of finished rolled steel	32,000,000
Percent used in automobile industry	20.3%
*Steel for highway construction (900,000 gross tons)	2.8%
Iron, malleable (tons)	352,000
Production	665,000
Per cent used in motor vehicles	53%
Gray iron (tons)	960,000
Production	5,500,000
Per cent used in motor vehicles	17.5%
Rubber, crude (long tons)	459,000
Total consumption in United States	573,000
Per cent used in motor vehicles	80%
Plate glass (square feet)	145,420,000
Production of polished plate glass	200,355,838
Per cent used in motor vehicles	73%
Leather, upholstery (square feet)	20,214,000
Production of upholstery leather	44,130,000
Per cent used in motor vehicles	46%
Aluminum (tons)	23,400
Total consumption in United States	175,000
Per cent used in motor vehicles	13.4%
Copper (tons)	138,000
Total consumption in United States	749,000
Per cent used	18.4%
Tin (long tons)	11,000
Total consumption in United States	93,000
Per cent used in motor vehicles	11.8%
Lead (tons)	217,000
Total consumption in United States	633,550
Per cent used in motor vehicles	34.3%

* Figures from The Iron Age. Does not include tonnage sold by steel jobbers to repair shops or steel sold to automobile manufacturers in the form of bolts, nuts and rivets. ¹ Figures from the magazine "Steel."

Automobile Industry, 1936

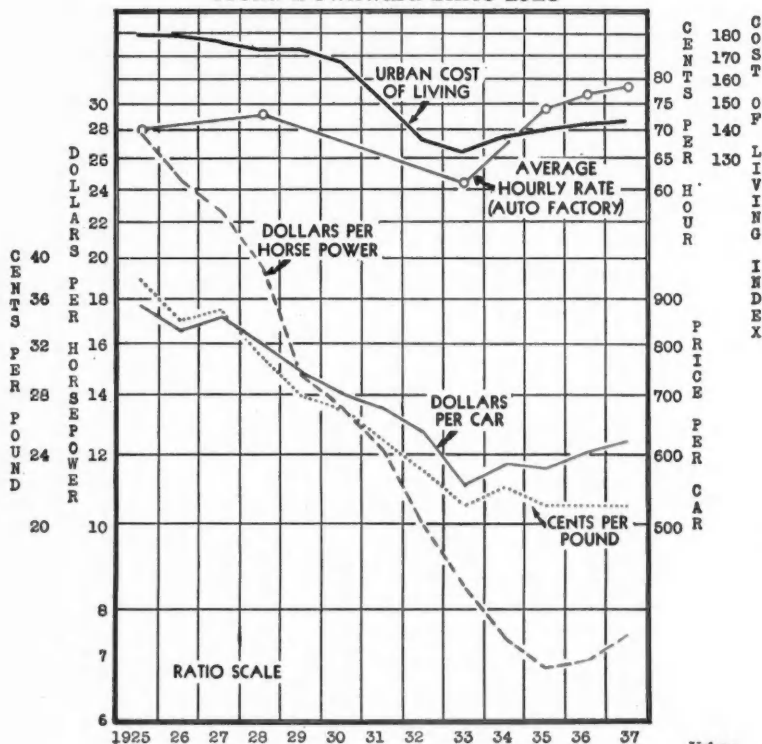
Automobile Industry Largest Purchaser of Several Commodities

	Percent Used by Motor Industry	Rank as Consumer
Gasoline.....	89%	First
Lubricating oil.....	52%	First
Rubber.....	80%	First
Plate glass.....	73%	First
Nickel.....	30%	First
Lead.....	34%	First
Mohair.....	40%	First

	Amount Used in Manufacturing and Repairs
Zinc (tons).....	69,000
Total consumption in United States.....	585,000
Per cent used in motor vehicles.....	11.8%
Nickel (pounds).....	21,100,000
Total sales in United States.....	71,200,000
Per cent used in motor vehicles.....	29.7%
Cotton (bales).....	632,240
United States mill consumption.....	7,097,000
Per cent used in tire and motor vehicle manufacturing.....	8.9%
Mohair (pounds).....	8,000,000
Total consumption in United States.....	20,000,000
Per cent used in automobile upholstery.....	40%
Lumber, hardwood (board feet).....	208,000,000
Production of hardwoods.....	3,785,000,000
Per cent used in motor vehicles.....	5.5%
Lumber, softwood (board feet).....	185,000,000
Glycerine (pounds).....	28,528,000
Total consumption in United States.....	137,000,000
Percent used in motor industry.....	21%
Cloth, upholstery (yards).....	52,220,000
‡ Paint and lacquer (gallons).....	17,816,000
‡ Hair and padding (pounds).....	58,450,000
<hr/>	
Gasoline (gallons).....	18,001,200,000
Domestic consumption total.....	20,226,822,000
Per cent used by motorists (estimated).....	89%
Lubricating oil (gallons).....	376,812,000
Domestic consumption total.....	724,638,000
Per cent used by automobile industry.....	52%
Antifreeze solutions (gallons).....	40,000,000

‡ United States motor vehicle manufacturing use only.

Automobile Prices Greatly Reduced Trend Downward Since 1925



	PRICE			Average Hourly Rate	Urban Cost of Living (1913 = 100)
	Per Car	Per Pound	Per Horse-power		
1925	\$887	\$.38	\$27.7	\$.70	179.0
1926	831	.34	24.4	..	178.5
1927	861	.35	22.6	..	176.4
1928	803	.31	17.7	.73	173.1
1929	743	.28	14.7	..	173.2
1930	703	.27	13.6	..	166.9
1931	676	.25	12.1	..	151.1
1932	637	.23	10.0	..	136.2
1933	555	.21	8.5	.61	132.2
1934	585	.22	7.4	.70	137.1
1935	580	.21	6.9	.74	140.4
1936	603	.21	7.0	.77	142.5
1937	622	.21	7.5	.79**	143.6*

Average Prices are based on the f.o.b. factory list price of the cheapest 4 or 5 passenger closed model of each make and are weighted by the relative total number of new car registrations of each make.

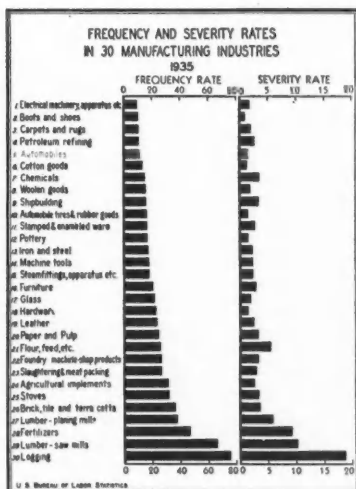
Urban Cost of Living is from the U. S. Bureau of Labor Statistics.

Average Hourly Rate—special studies by the U. S. Bureau of Labor Statistics in 1925 and 1928. Other rates are an average from the regular monthly reports of the Bureau. *—Dec. 15, 1936 **—Jan., 1937.

Industrial Accidents in Automobile Factories

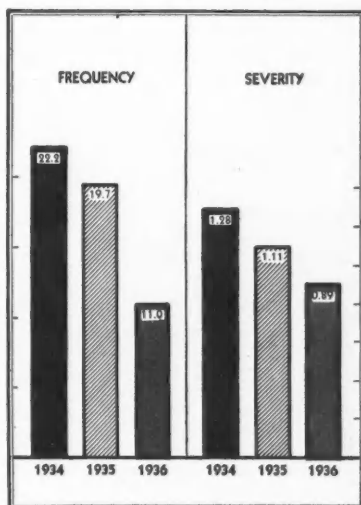
The Automobile Industry is One of the Safest
and Its Record Has Improved in the
Past Few Years

**Auto Manufacturing
Fifth in Safety**



Reproduced from January 1937
"Monthly Labor Review" of the
U. S. Department of Labor

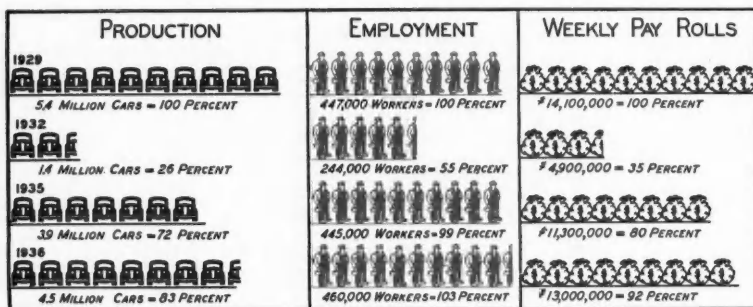
**Auto Factory Accident
Rate Improving**



Frequency rates are computed from the number of lost-time accidents per million manhours of exposure. Severity rates are computed from the number of hours of work lost as a result of accidents per thousand manhours of exposure.

U. S. Dept. of Labor figures are collected by law in all states having automobile factories. The 1935 data shown are the latest available. The Safety Council figures are compiled from voluntary reports secured promptly from companies representing two-thirds of the employment in the industry.

1936 Auto Factory Employment Exceeded 1929 Although Production Reached Only 83% of 1929



(Reproduced from "Monthly Labor Information Bulletin" U. S. Dept. of Labor)

Employment, Earnings, and Purchasing Power All Wage Earners in Automobile, Auto Body, and Parts Factories

	ALL FACTORY WORKERS		INDIVIDUAL WORKER AVERAGES			
	Average Employment ¹	Weekly Payrolls ¹	Weekly Earnings ²	Cost of Living ³	Purchasing Power ⁴	Hourly Earnings ⁵
1925.....	426	\$13,729	\$32.20	101.4	99.0	70¢
1929.....	447	14,098	31.50	98.2	100.0	73
1931.....	286	6,741	23.60	85.3	86.3	..
1932.....	244	4,900	20.10	....	....	..
1933.....	244	4,848	19.90	71.3	87.0	61
1935.....	445	11,300	25.40	77.6	102.0	74
1936.....	460	13,000	28.30	79.7	110.7	77

¹—From U. S. Census of Manufactures through 1933; other years from Monthly Labor Information Bulletin of the U. S. Dept. of Labor. (000) omitted.

²—Average Weekly Payrolls divided by Average Employment.

³—Special Index prepared by U. S. Bureau of Labor Statistics for 14 automotive cities. 1923-1925 = 100.

⁴—Weekly Earnings divided by Cost of Living. 1929 = 100.

⁵—From U. S. Bureau of Labor Statistics. The 1925 and 1929 data comes from special studies made in 1925 and 1928. The other figures shown are averages of the regular monthly reports which have been compiled regularly since Jan., 1933.

Millions of Jobs Created by Motor Transport

6,000,000 Employed Directly and Indirectly in 1936

One Out of Every Seven Gainfully Employed

State	Motor-Veh., Parts & Tire Mfg., Petrol. Ref'n ¹	Sales, Ser- vicing ¹	Fed. State Road ²	Truck Drivers ³	Bus Drivers ⁴	Total
Alabama.....	1,032	12,420	6,814	37,897	3,021	61,184
Arizona.....	35	4,286	2,647	17,121	1,150	25,239
Arkansas.....	517	9,761	4,455	36,838	1,684	53,255
California.....	22,429	79,815	11,712	221,915	7,030	342,901
Colorado.....	2,199	11,512	3,829	15,012	2,355	34,907
Connecticut.....	2,704	14,335	2,735	53,714	2,330	75,818
Delaware.....	638	2,331	1,128	6,737	325	11,159
Florida.....	81	17,674	4,747	51,682	2,216	76,400
Georgia.....	1,784	20,029	4,992	56,759	2,812	86,376
Idaho.....	17	4,352	2,737	19,571	648	27,325
Illinois.....	14,162	57,555	12,627	160,377	4,200	248,921
Indiana.....	33,639	29,327	7,907	107,772	8,708	187,353
Iowa.....	466	26,840	4,733	51,180	2,728	85,947
Kansas.....	4,392	21,631	8,387	52,520	1,390	88,320
Kentucky.....	1,143	13,720	4,661	44,652	1,986	66,162
Louisiana.....	4,955	12,607	5,246	64,347	3,281	90,436
Maine.....	383	7,255	5,035	30,167	830	43,670
Maryland.....	2,946	12,309	3,302	43,114	1,672	63,343
Massachusetts.....	3,618	32,532	5,657	93,058	6,688	141,553
Michigan.....	260,017	46,478	9,727	99,974	3,934	420,130
Minnesota.....	1,651	27,169	11,254	77,891	2,842	120,807
Mississippi.....	35	7,994	7,500	26,856	4,572	46,957
Missouri.....	15,126	35,670	10,157	107,839	4,210	173,002
Montana.....	494	5,404	3,451	24,110	772	34,251
Nebraska.....	42	14,965	5,678	34,550	1,046	56,281
Nevada.....	.....	1,209	1,631	6,439	354	9,633
New Hampshire.....	17	4,351	4,190	19,878	534	28,970
New Jersey.....	17,663	29,628	3,379	115,187	11,666	177,523
New Mexico.....	102	3,500	3,008	17,495	10,028	25,133
New York.....	20,283	90,013	11,786	260,218	18,549	400,849
North Carolina.....	1,782	21,444	10,387	51,180	4,685	89,478
North Dakota.....	17	5,789	3,358	12,660	696	22,520
Ohio.....	86,244	62,186	11,006	123,530	11,992	294,958
Oklahoma.....	5,845	21,664	7,459	66,708	3,096	104,772
Oregon.....	155	11,062	4,361	44,858	1,386	61,822
Pennsylvania.....	30,042	69,411	40,159	230,048	7,974	377,634
Rhode Island.....	480	5,364	1,162	17,022	844	24,872
South Carolina.....	255	10,265	4,297	28,201	1,659	44,677
South Dakota.....	237	6,437	3,284	13,400	570	23,928
Tennessee.....	466	16,490	5,453	42,348	2,560	67,317
Texas.....	21,040	58,848	28,194	233,397	6,697	348,176
Utah.....	454	4,989	3,036	15,208	840	24,527
Vermont.....	.....	3,246	1,911	3,810	511	9,478
Virginia.....	761	16,914	13,522	45,723	3,107	80,027
Washington.....	712	17,033	3,695	60,702	3,567	85,709
West Virginia.....	690	9,834	5,667	36,051	1,910	54,152
Wisconsin.....	19,835	24,899	10,417	92,867	2,180	150,198
Wyoming.....	1,288	2,638	1,842	11,366	1,204	18,338
Dist. of Col. ....	.....	6,881	678	18,316	1,171	27,046
U. S. Total.....	582,873	1,124,528*	335,000	3,102,265	161,210	5,305,876*
Total, including raw material workers, taxi drivers and chauffeurs.....						6,036,876*

*Includes 1303 wholesale workers and 91,159 bulk tank station employees which were not segregated by states.

¹From 1935 Census of American Business.

²Average monthly employment from U. S. Bureau of Public Roads. Employment on county and township roads has not been included.

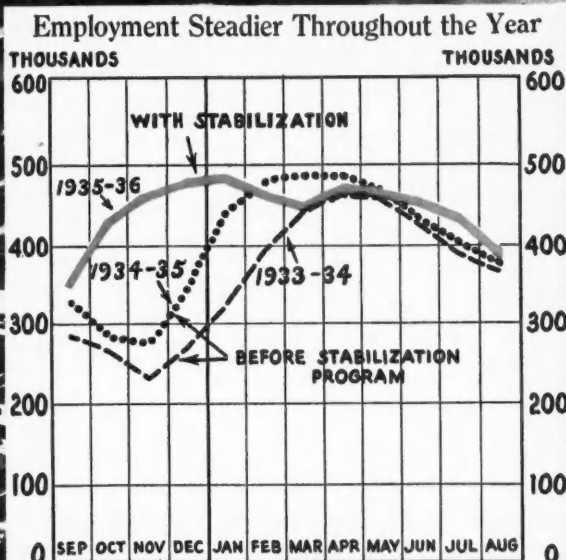
³Estimated by assuming one full-time driver per truck exclusive of farm trucks.

⁴Assumed two drivers per revenue bus and one driver per school bus.

⁵Includes employees producing raw materials, taxi drivers and chauffeurs, insurance and finance company employees, and a 5 percent increase in 1936 over the 1935 Census totals shown in the first two columns.

Motor Industry's Employment Stabilization

Fall Introduction of New Models and
Sub-Assemblies During the 1935-36
Individual Worker Steadier Employment



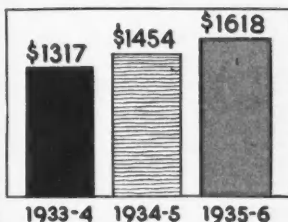
Increase in length of peak season resulted in a reduction in fluctuation of employment to less than nine percent for nine months. Data from U. S. Bureau of Labor Statistics and Census of Manufactures.

The model year used in each case is the period September through the following August. The data on annual earnings and steady workers was derived from a detailed study of individual employee records in plants of Automobile Manufacturers Association members.

Industrialization Efforts Have Benefited Workers

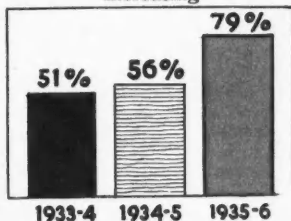
Models and Advance Building of Parts and the 1935-36 Model-Year Have Given the Employment and Higher Annual Earnings

Annual Individual Earnings
Steady Workers



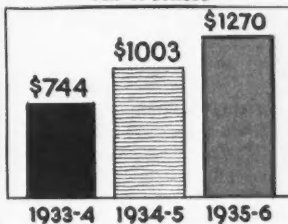
Average individual earnings of steady workers (men working 46 or more weeks) increased 23% from model-year 1933-34 to 1935-36.

Percent Steady Workers
Increasing



Reduction in employment fluctuation lifted proportion of steady workers to 79 percent of average employment in 1935-1936. "Steady workers" are men receiving 46 weeks or more of employment during the year.

Annual Individual Earnings
All Workers



Increase in the number of steady jobs raised the average annual income of all individual workers by 71 percent from 1933-34 to 1935-36. "All Workers" means all hourly-paid employees who were employed at any time during the model year, including even those who quit after a few days.

Highway Safety Program Made Permanent Automotive Safety

Seven Point Program

I. EDUCATION

Safety Organization

Promotion of organized official efforts—safety contests—general safety education.¹²

Driver Training

Better driving programs—general and for high school students—and in cooperation with dealer associations & c.²

Adults

Distribution of talking films and safety material.³ Competition among member clubs for most constructive safety programs.⁶ Home safety instruction on parent, driver and pedestrian responsibility.¹⁰

Contest among granges to develop rural community safety.¹²

Pedestrians

Publicity and organized campaigns.^{2, 13}

Children

Distribution of motion pictures and class-room materials. Cooperation with ¹⁰ in preparing official school course.¹¹ Annual safety essay contest among Grange children.¹² Financial assistance and counsel with ¹¹ in appraising traffic safety methods, material and class-room procedure.² Collaboration with teachers on safety courses, safe school transportation and crossing protection.¹⁰

II. TRAFFIC CONTROL ADMINISTRATION

Records

Uniform state accident reporting and analysis.^{1, 13}

Driver License

Cooperation in preparing manual on best administrative procedure.^{7, 11}

Law Adminis- tration

Field technical staff serving states in setting up new license law administrative machinery.¹³

III. LEGISLATION

Uniform Laws

Participation in promoting adoption of Uniform State Motor Vehicle Code, Model Municipal Traffic Ordinance and Manual of Uniform Signs, Signals and Markers⁹

Central information service on legislative developments and assistance in drafting safety bills.¹³

Streets and Highways

Support of Federal Highway Act and state and local development of facilities consistent with revenue.⁵

Accomplishments During Past Year

Adoption of standard, uniform driver license laws in twelve states as of June 1, 1937.

Reduction in fatalities in 1936 in 18 states ranging from 1 to 18 per cent.

Development and application of effective techniques in traffic control (installation of police accident prevention bureaus in twelve cities and two states.)

Development of methods of raising standards of driving skill, especially among "problem" drivers.

Advanced courses held in seven universities and ten states

of Automotive Industry by Creation of Foundation, Inc.

IV. ENFORCEMENT

Police Accident Prevention Bureaus

Installing accident prevention bureaus in state and city police departments and enlisting public cooperation⁹. Encouraging individual clubs to study and support enforcement programs⁸.

V. ENGINEERING

Traffic Engineering

Direction of research and publishing of results; professional education of engineers; conferences with public officials; studies of specific problems with recommendations; staff consultations on broader application of traffic engineering⁷. Collaboration in supporting public officials in application of sound design standards⁵.

Highway Engineering Automotive Engineering

Industry-wide research on relation of design to safety in automotive products.

VI. TECHNICAL PERSONNEL TRAINING

Traffic Engineers

University fellowships and graduate courses, placement of graduates and summer courses for active traffic engineers⁷.

Police Officer Training

Courses in specialized police traffic control for state and urban police officers and standard short term state and regional courses for other universities¹⁴.

Safety Organization

Assistance to official and private safety organization personnel in general safety promotion and education¹³.

VII. RESEARCH Accident Causes

Stimulation of research to develop adequate accident reporting and analysis and study of causes: speed, alcohol, night accidents, pedestrians, effect of non-uniformity of traffic laws, signs, signals and markers and driver characteristics^{5, 13, 4, 15, 2, 7, 1}.

¹—American Association of Motor Vehicle Administrators. ²—American Automobile Association. ³—American Legion. ⁴—Automobile Manufacturers Association. ⁵—Automotive Safety Foundation. ⁶—General Federation of Women's Clubs. ⁷—Harvard Bureau for Street Traffic Research. ⁸—Highway Education Board. ⁹—International Association of Chiefs of Police. ¹⁰—National Congress of Parents and Teachers. ¹¹—National Education Association. ¹²—National Grange. ¹³—National Safety Council. ¹⁴—Northwestern University. ¹⁵—Society of Automotive Engineers.

Toward Increased Traffic Safety

for technical training of traffic officers.

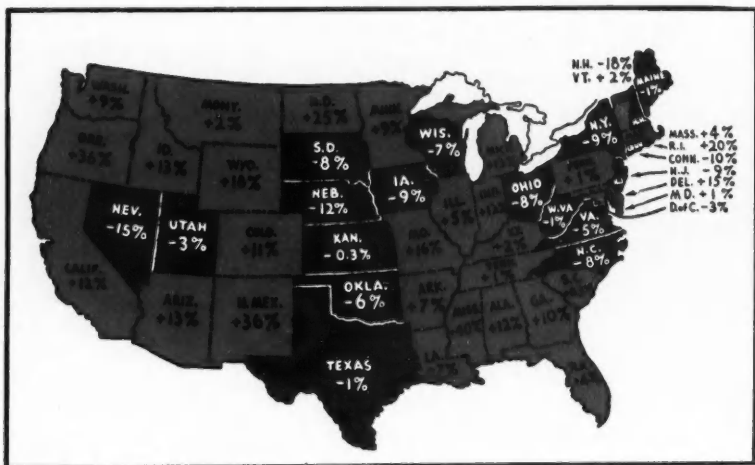
Widespread growth in adoption of highway safety courses in curricula of primary and secondary schools.

Intensified competitive safety efforts among cities and states (enrollment of more than 1,000 cities in Inter-City Safety Contest.

Closer relationship between programs of national groups working for accident reduction.

First full academic year's university training in traffic engineering for 15 fellows and 11 additional students.

Eighteen States Reduced Highway Deaths



Safest Cities for Their Size Winners in the Fifth National Traffic Safety Contest

Over a thousand cities competed last year in the Fifth National Traffic Safety Contest conducted annually by the National Safety Council.

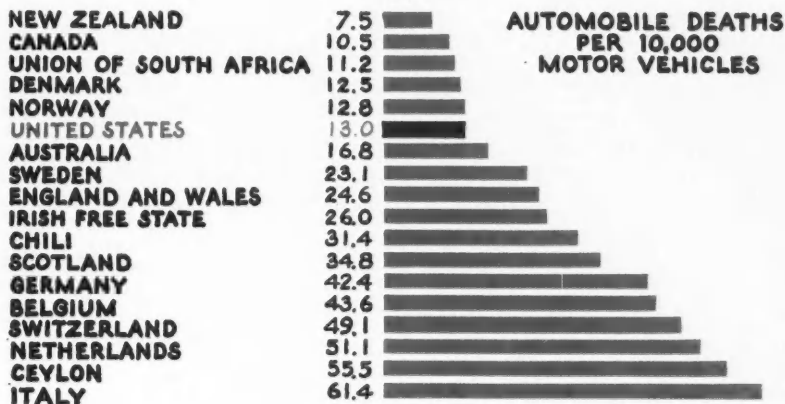
The contest record is based largely on gains made, and takes into consideration, first a low death rate from motor vehicle accidents and a lowering of the death rate from the average of the three preceding years, and second the enactment of regulations, setting up of administrative machinery and conduct of educational activities that have been found to reduce accidents.

Winners in the inter-city contest were:

	POPULATION GROUP
New York, N. Y.	Group I (over 500,000)
Also Grand Prize winner for cities of all sizes.	
Kansas City, Mo.	Group II (250,000-500,000)
Omaha, Neb.	Group III (100,000-250,000)
Jackson, Mich.	Group IV (50,000-100,000)
West New York, N. Y.	Group V (25,000-50,000)
Wilmette, Ill.	Group VI (10,000-25,000)

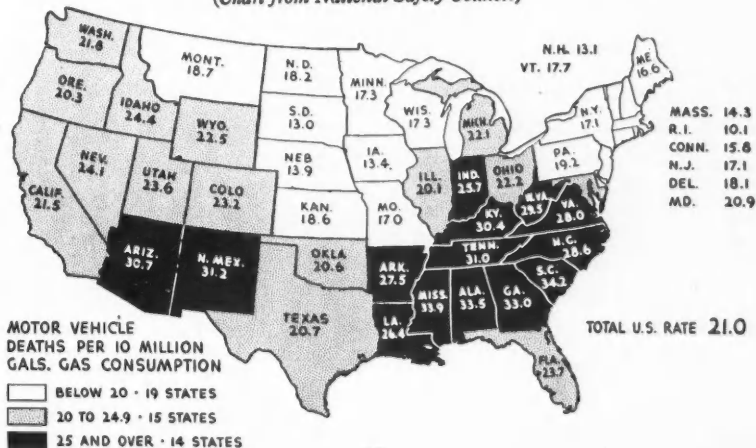
World Motor Vehicle Accidents

(Figures from National Safety Council)

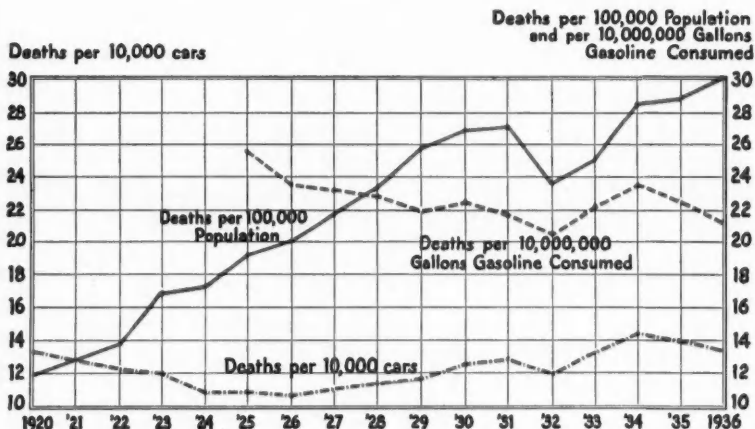


North Central and Northeastern States Safest Measured by Ratio of Fatalities to Gasoline Used

(Chart from National Safety Council)



Fewer Fatalities In Terms of Mileage Traveled



Motor Vehicle Fatalities

(Source: "Accident Facts" by the National Safety Council)

Year	NUMBER OF DEATHS					TOTAL DEATH RATES		
	TOTAL	Primary Auto	Railway Collisions	Street Car Collisions	Motor-cycle Accidents	Per 100,000 Population	Per 100,000 Cars**	Per 10,000,000 Gallons Gas
1923	18,394	16,432	*	*	335	16.5	120.5	†
1924	19,380	17,565	1,127	413	274	17.1	109.2	†
1925	21,877	19,610	1,413	556	298	19.0	109.0	25.5
1926	23,431	20,945	1,727	515	244	20.1	105.9	23.9
1927	25,796	23,196	1,832	520	318	21.8	110.9	23.5
1928	27,996	24,937	2,142	569	348	23.3	113.8	23.0
1929	31,215	28,282	2,046	530	357	25.7	117.3	22.0
1930	32,929	30,228	1,830	481	390	26.7	123.5	22.3
1931	33,675	31,197	1,714	435	329	27.1	129.8	21.9
1932	29,451	27,363	1,522	316	250	23.6	121.6	20.7
1933	31,363	29,323	1,437	318	285	25.0	132.0	22.0
1934	36,101	33,980	1,457	332	332	28.5	144.2	23.6
1935	36,369	34,183	1,587	253	346	28.5	138.7	22.4
1936	37,800 (est.)		1,700	300	...	29.4	133.9	21.0

Source: Calculated from data of the U. S. Census Bureau and the U. S. Bureau of Public Roads.

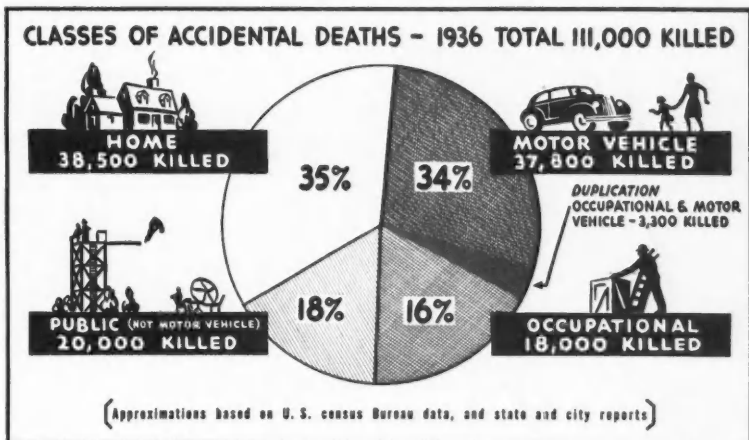
*Until 1924 the U. S. Census Bureau's classification of automobile accidents included only cases where the automobile was the heavier vehicle involved—shown in the above table as "primary auto." Motor vehicle accidents are now understood to include also collisions with heavier vehicles, and motorcycle accidents.

†Gasoline consumption figures partially estimated for 1925 to 1929. Data prior to 1925 inadequate for computing rates.

**Rates are computed on the basis of registered motor vehicles, including motorcycles. Unregistered autos, trucks, and motorcycles are omitted.

More Killed In Homes Than On Highways

(Chart from National Safety Council)



Automobile Insurance in the United States

(Compiled by The Insurance Year Book Service, The Spectator Company)

	Auto Liability	Auto Collision	Auto Property Damage	Auto Misc. [†]	Fire & Theft*	Totals
Net Prem.....	\$192,822,590	\$21,578,845	\$77,699,507	\$76,458,838	\$145,306,656	\$513,866,436
1928 Losses Paid†....	114,545,170	12,576,910	40,879,475	39,210,300	62,205,320	269,417,175
Ratio.....	59.4	58.3	52.6	51.3	42.8	52.4
Net Prem.....	211,680,298	22,096,932	89,802,154	78,025,845	154,425,262	556,029,491
1929 Losses Paid†....	131,476,280	13,806,147	49,089,686	41,394,314	65,195,183	300,961,610
Ratio.....	62.1	62.5	54.7	53.1	42.2	54.1
Net Prem.....	211,489,945	17,791,868	82,328,124	75,880,042	136,994,230	524,484,209
1930 Losses Paid†....	174,628,437	12,437,522	48,091,244	42,787,352	73,951,844	352,896,399
Ratio.....	82.6	69.9	58.4	57.7	54.0	67.2
Net Prem.....	214,127,034	17,862,966	82,035,428	56,743,692	118,004,348	488,773,458
1931 Losses Paid†....	153,311,197	12,246,219	44,676,498	27,691,416	70,146,994	308,072,324
Ratio.....	71.6	68.6	54.5	48.8	59.4	63.0
Net Prem.....	188,731,449	11,871,922	57,926,942	49,791,326	79,982,832	388,304,471
1932 Losses Paid†....	108,177,554	6,172,416	18,419,691	24,579,621	44,913,299	202,262,581
Ratio.....	57.3	52.0	31.8	49.4	56.2	52.1
Net Prem.....	168,942,625	6,513,618	48,962,068	11,602,716	76,383,790	312,404,817
1933 Losses Paid†....	115,465,198	3,702,038	21,128,942	5,942,402	39,892,285	186,130,865
Ratio.....	68.3	56.8	43.1	51.2	52.2	59.6
Net Prem.....	227,982,550	11,493,404	64,656,866	14,046,215	92,641,495	410,820,530
1934 Losses Paid†....	147,162,203	6,837,009	32,301,262	6,983,528	40,635,540	233,919,542
Ratio.....	64.5	59.5	50.0	49.7	43.9	56.9
Net Prem.....	241,266,145	12,777,778	69,399,760	5,325,855	117,669,594	446,439,132
1935 Losses Paid†....	156,945,788	8,014,455	29,507,235	2,441,203	44,984,020	241,892,701
Ratio.....	65.1	62.7	42.5	45.8	38.2	54.2
Net Prem.....	273,681,782	16,024,909	79,879,342	6,725,767	182,915,621	559,227,421
1936 Losses paid†....	158,134,858	9,930,804	35,929,667	3,198,715	67,217,473	274,411,517
Ratio.....	57.8	62.0	45.0	47.6	36.4	49.1

† Includes investigation and adjustment of claims but does not include agents' commissions, home office and operating expenses.

* Fire Insurance Companies transact all branches of automobile insurance with the exception of liability. A great portion of this business, however, is fire and theft insurance.

† Representing automobile premiums and losses of casualty companies writing complete automobile coverage and of casualty companies which write fire, theft, earthquake and windstorm.

‡ Does not include "full coverage insurance on automobiles" by mutual companies and by reciprocal and Lloyds associations.

Trailer Registrations, 1929-1936

Includes Passenger Car Trailers

(Figures from U. S. Bureau of Public Roads)

STATES	1929	1930	1931	1932	1933	1934	1935	1936
Alabama.....	3,024	3,550	3,279	3,948	4,007	4,671	5,586	4,634
Arizona.....	1,249	1,346	1,623	1,765	1,989	2,313	2,835	3,302
Arkansas.....	2,808	2,805	3,745	3,118	6,887	7,950	9,398	10,253
California.....	42,899	48,532	55,024	61,870	72,696	82,110	95,233	112,088
Colorado.....	159	188	258	563	832	946	968	1,491
Connecticut...	324	480	926	1,384	1,816	2,393	3,055	4,226
Delaware.....	389	412	517	649	912	1,356	1,863	2,227
Florida.....	900	5,000	6,751	7,522	9,567	9,886	11,256	13,472
Georgia.....	2,597	2,704	3,317	4,021	5,836	9,293	10,823	11,903
Idaho.....	485	450	7,558	9,924	10,039	11,733	12,925	16,141
Illinois.....	5,068	7,341	9,283	8,950	9,228	10,720	14,439	18,168
Indiana.....	10,407	13,646	19,169	23,570	27,996	34,425	43,013	52,601
Iowa.....	528	1,542	3,207	2,833	2,416	44,477	50,244	58,462
Kansas.....	360	1,083	1,778	2,014	3,847	3,733	4,045	5,070
Kentucky.....	•	•	•	•	•	•	•	•
Louisiana.....	8,000	5,443	5,670	6,624	6,957	6,528	9,196	12,038
Maine.....	1,652	2,207	3,053	4,195	5,893	7,578	8,464	9,124
Maryland.....	876	1,008	1,128	1,327	1,383	1,434	1,750	3,208
Massachusetts	556	701	650	525	525	752	507	10,488
Michigan.....	31,577	44,441	61,932	77,437	78,998	92,184	102,975	119,771
Minnesota...	4,783	9,541	18,291	21,839	19,648	24,707	24,260	26,567
Mississippi....	4,321	3,890	2,560	2,594	850	707	809	1,294
Missouri.....	2,686	3,742	5,469	10,008	13,110	18,024	22,550	26,821
Montana.....	.....	56	59	61	483	506	2,256	1,829
Nebraska.....	6,515	10,320	15,737	13,531	14,727	18,640	20,461	26,273
Nevada.....	273	330	411	646	631	910	847	1,060
N. Hampshire	635	935	1,137	1,448	1,922	2,354	3,173	3,952
New Jersey....	2,424	2,639	2,916	2,863	3,162	3,734	4,431	5,645
New Mexico...	509	850	778	591	983	918	889	2,044
New York....	8,232	10,205	12,596	13,796	13,545	17,572	23,451	30,251
No. Carolina..	3,584	5,845	8,118	7,774	13,012	22,112	30,947	35,857
No. Dakota...	.....	•	•	39	143	263	215	517
Ohio.....	15,000	24,356	32,717	45,588	61,156	73,287	95,248	103,308
Oklahoma.....	.....	•	•	•	4,184	5,420	6,452	6,960
Oregon.....	1,308	1,893	2,168	1,706	1,750	3,291	•	•
Pennsylvania..	5,067	5,684	6,307	7,835	10,139	13,642	19,732	24,737
Rhode Island..	87	90	64	68	92	147	216	372
So. Carolina...	2,048	2,976	2,100	2,041	1,764	1,919	2,759	3,320
So. Dakota...	.....	•	4,994	8,852	9,693	10,128	12,568	19,349
Tennessee....	•	•	2,696	3,294	2,932	2,991	836	•
Texas.....	16,260	29,853	33,861	35,113	36,073	36,798	38,262	41,660
Utah.....	.....	•	767	879	457	1,359	1,226	1,066
Vermont.....	280	315	457	519	683	964	1,321	1,464
Virginia.....	966	1,318	1,582	1,673	1,906	2,509	3,694	6,359
Washington...	2,986	3,147	3,000	4,543	4,849	5,470	7,776	12,122
West Virginia.	725	928	1,270	1,785	2,094	1,830	2,189	2,721
Wisconsin....	497	715	1,007	1,066	2,565	8,466	7,610	4,736
Wyoming.....	.....	•	•	•	20	5,398	7,279	8,542
Dist. of Col..	.....	.....	.....	607	1,112	1,169	1,377	1,843
Totals....	193,044	262,507	349,930	412,998	475,559	619,717	731,409	869,359

1—Light trailers only. Heavy trailers reported with trucks. 2—Contract and common carrier trailers reported with trucks. 3—Estimated and excluded from motor trucks as reported. 4—Reported with tractors, but here separated as per semi-annual report. 5—Not registered. 6—Classified with trucks. 7—Not reported. 8—Estimated.

Three Fourths of For-Hire Truckers Operate Locally

(Figures from Census of Business: 1935 by U. S. Department of Commerce)

	Entire Field	KIND OF TRUCKING		
		Local	Intra-State	Interstate
Number of Concerns—Total.....	61,216	45,685	10,217	5,314
Per Cent.....	100	74.6	16.7	8.7
Gross Revenue—Total.....	\$530,860,000	204,127,000	131,017,000	195,716,000
Per Cent.....	100	38.4	24.7	36.9
Average Per Concern.....	\$8,680	4,470	12,800	36,800
Average Per Vehicle.....	\$2,813	2,120	3,069	3,926
Number of Vehicles—Total.....	188,809	96,269	42,692	49,848
Per Cent.....	100	51.0	22.6	26.4
Average Per Concern.....	3.1	2.1	4.2	9.4
Number Active Proprietors—Total	59,621	44,821	9,983	4,817
Per Cent.....	100	75.2	16.7	8.1
Employees—Total.....	158,283	68,516	37,561	52,206
Per Cent.....	100	43.2	23.9	32.9
Pay Roll—Total* (Full & Part Time)	\$179,485,000	70,717,000	42,473,000	66,295,000
Per Cent.....	100	39.5	23.6	36.9
Average Per Employee.....	\$1,134	1,032	1,131	1,270

*Includes no compensation for proprietors and firm members of unincorporated concerns.

Local Concerns Represent 45% of Common Carrier Bus Operators

(Figures from Census of Business for 1935, U. S. Department of Commerce)

	Entire Field	KIND OF BUS TRANSPORTATION		
		Local	Intra-State	Interstate
Number of Concerns—Total.....	1,751	791	709	251
Per Cent.....	100	45.2	40.4	14.4
Gross Revenue—Total.....	\$167,933,000	52,099,000	35,355,000	80,479,000
Per Cent.....	100	31.0	21.1	47.9
Average Per Concern.....	\$95,800	65,800	49,800	320,800
Average Per Vehicle.....	\$8,740	6,580	6,600	13,620
Number of Vehicles—Total.....	19,182	7,922	5,352	5,908
Per Cent.....	100	41.3	28.0	30.7
Average Per Concern.....	10.93	10.0	7.7	23.6
Number Active Proprietors—Total	943	439	419	85
Per Cent.....	100	46.6	44.4	9.0
Employees—Total* (Full and part time).....	39,613	14,743	9,023	15,847
Per Cent.....	100	37.2	22.8	40.0
Pay Roll—Total.....	\$55,267,000	20,838,000	11,849,000	22,580,000
Per Cent.....	100	37.8	21.3	40.9
Average per employee.....	\$1,396	1,414	1,313	1,423

*Includes no compensation for proprietors and firm members of unincorporated concerns.

Note: This survey covered only those concerns that operated from a recognized place of business and was further limited by excluding bus lines operated by municipalities, electric railways or their subsidiaries, and directly by steam railroads. Concerns whose primary business was the operation of sightseeing or chartered buses, limousines, taxis or jitneys were not included.

Leading Motor Vehicle Fleets

Does not include all fleets with more than 100 vehicles

(Survey as of May 1, 1937 by Automobile Manufacturers Association)

	No. of Trucks†	Pas- senger Cars		No. of Trucks†	Pas- senger Cars
Bell Telephone Companies	13,725	4,210	Humble Oil & Refining Co.	669	559
Standard Oil Co., N. J.	12,000	4,000	Florida Road Dept.	651	122
U. S. War Department	11,621	958	Magnolia Petroleum Co.	637	576
Railway Express Agency	9,306	252	U. S. Bureau Public Roads	636	385
Nat'l. Dairy Prod'cts. Corp.	6,775	825	Phila. Bur. Mechanical Equip. . . .	635	297
Borden's	6,706	848	U. S. Trucking Corp.	625	12
Standard Oil Co., Indiana	6,333	1,807	N. Y. City Fire Dept.	624	117
Socony-Vacuum Oil Co., Inc.	4,030	2,370	Minn. Dept. of Highways	623	239
Continental Baking Co.	3,900	240	Detroit Dept. of Pub. Works	617	601
N. Y. City Dept. Sanitation	3,692	165	Keeshin Transcont'l. Fr. Lines‡	617	89
Swift & Co.	3,222	3,200	N. Y. State Dept. Pub. Works	606	38
General Baking Co.	3,105	...	Dairymen's League	570	235
Middle West Corp. & Subsid.	3,000	...	Sun Oil Co.	555	391
Cities Service (Subsid.)	2,900	1,430	Southern Calif. Edison Co.	552	405
Shell Oil Companies	2,735	2,722	Kroger Grocery & Baking Co.	550	160
Standard Brands Inc.	2,695	580	National Baking Co.	544	108
Ward Baking Co.	2,382	32	Phila. Elec. Co.	542	322
Armour & Co.	2,316	1,190	American Oil Co.	518	63
N. C. State Highway Comm.	2,144	313	Consolid'd. Laundries Corp.	514	19
Texas State Highway Dept.	2,059	93	Goodyear Tire & Rubber Co.	493	909
Calif. Dept. of Finance	2,052	2,128	Brink's Inc.	484	25
Hertz Driv'rsel Stations	1,810	585	Commonwealth Edison Co.	483	324
Beatrice Creamery Co.	1,788	131	Kansas Highway Comm.	468	241
U. S. Navy Dept.	1,755	202	Cleveland Elec. Illum. Co.	463	...
Ohio Dept. of Highways	1,691	736	The Crane Co.	430	400
Standard Oil Co. California	1,616	1,453	Los Angeles Co. Transp. Div.	400	272
Jewel Tea Co.	1,546	90	Wagner Baking Corp.	387	17
National Biscuit Co.	1,475	...	Mass. Dept. of Pub. Works	384	286
The Texas Co.	1,436	1,475	City Ice & Fuel Co. (Cleveland) . . .	364	13
Virginia Dept. of Highways	1,324	117	Federal Water Service Corp.	350	312
Pacific Gas & Elec. Co.	1,280	749	N. Y. Power and Light Co.	344	131
The Pure Oil Co.	1,275	1,525	Burns Bros.	335	15
The Cudahy Packing Co.	1,262	637	Postal Tel-Cable Co.	318	204
Calif. Division of Highways	1,243	579	R. H. Macy & Co., Inc.	317	9
Dugan Bros., Inc.	1,225	50	Beech-Nut Packing Co.	313	27
Tide Water Oil Co.	1,224	374	N. Y. C. Dept. Water, Gas & Elec.	272	99
Union Oil Co. California	1,183	21	Pittsburgh Plate Glass Co.	269	625
Gulf Oil Corporation	1,175	1,661	Continental Oil Co.	251	1,016
Illinois Division Highways	1,150	570	Ohio Oil Co.	242	124
General Ice Cream Corp.	1,100	180	Hoffman Beverage Co.	221	130
Western Dairy Products Inc.	1,075	...	Rubel Corp.	220	219
Atlantic Refining Co.	1,074	477	San Joaquin Light & Power Co. . . .	217	219
Consolid'd. Edison N. Y. Inc.	956	478	Marshall Field & Co.	189	26
Los Angeles Dept. Water & Pw. . . .	914	487	N. Y. & Queens Lt. & P'wer Co. . . .	185	131
Indiana Highway Commission	905	506	Liquid Carbonic Corp.	176	300
U. S. Dept. of Commerce	897	112	Capital Bakeries Inc.	169	10
American Ice Co.	889	153	Jacob Laub Baking Co.	167	12
Firestone Tire & Rubber Co.	886	913	Boston Elevated Rwy.	163	52
Commonwealth & Sth'm. Corp.	858	2,538	Brooklyn Union Gas Co.	148	68
Interstate Baking Corp.	858	3	Motor Haulage Co.	148	5
Golden State Co., Ltd.	843	65	Edison Elec. Illum. Co., Boston . . .	138	281
Phillips Petroleum Co.	796	1,201	Brooklyn Edison Co.	137	61
Tenn. Dept. of Highways	796	256	Gristede Bros., Inc.	122	21
Standard Oil Co. of Ohio	772	241	N. Y. C. Police Dept.	115	687
American Gas & Elec. Co.	769	747	Western Union Tel. Co.	103	8
Loose-Wiles Biscuit Co.	750	...			
Imperial Oil Co., Canada	728	17			
Great American Tea Co.	725	25			
Hathaway Bakeries Co.	721	12			
General Foods Corp.	719	487			
B. F. Goodrich Co.	713	1,700			
Mich. State Highway Dept.	685	203			
Penna. Dept. Property & Sup.	671	1,219			

† In addition the companies listed above operate a combined total of 8,897 trailers and 158 busses.

‡ In addition 593 Trailers.

—Also 200 trailers.

—Also 2,205 trailers, 310 ambulances and 899 motorcycles. Combat vehicles not included.

Dimensions, Speed and Gross Weight for Vehicles

Recommended by
American Association of State Highway Officials

What Is Recommended* (Maximums)

Width—8 feet. **Height**—12 feet, 6 inches.

Length—Single vehicle†, 35 feet. Combinations (only two units allowed), 45 feet.

Speed—Minimum: Not so slow as to impede or block normal and reasonable flow of traffic except when necessary for safety.

Maximum: no bus or truck greater than 45 miles an hour; passenger automobile speeds shall be consistent with safety and proper use of the roads.

Solid tire vehicles maximum speed set at 10 miles an hour.

Axle and Wheel Loads

Axle load equipped with solid, cushion or high pressure pneumatics..... 16,000 lbs.

Wheel load..... 8,000 lbs.

Low pressure pneumatics, wheel load..... 9,000 lbs.

Gross Weights‡

Subject to the limitation imposed by the recommended axle loads no vehicle shall be operated whose total gross weight, with load, exceeds that given by the formula

$W = c(L \text{ plus } 40)$ where—

W = total gross weight, with load, in pounds.

c = a coefficient to be determined by the individual states.

L = the distance between the first and last axles of a vehicle or combination of vehicles, in feet.

A value of 700 is recommended for "c" as the lowest which should be imposed but this should not be construed as inhibiting greater values.

Why Recommended

- To establish one of the fundamental prerequisites of highway design.
- To promote efficiency in the interstate operation of the motor vehicle.
- To secure safety in highway operation.
- To remove from the highways undesirable equipment and operations.
- To stabilize on a definite basis the many relationships between the highway and the motor vehicle.

Groups Which Have Approved Recommendations

American Automobile Association
American Farm Bureau Federation
American Motorists Association
American Petroleum Institute
Automobile Manufacturers Association
Detroit Board of Commerce

National Assoc. of Motor Bus Operators
National Grange
National Highway Users Conference
National Industrial Traffic League
National Transportation Committee
Rubber Manufacturers Association

*Special permits required for occasional movements of materials exceeding dimensions provided.

†Truck tractor and semi-trailer construed as single vehicle in determining lengths.

‡This gross weight recommendation is particularly applicable to bridges since axle loads and length limitations are determinative in their practical application.

Present Regulations Compared with Recommendations

NUMBER OF STATES WITH MAXIMUM

	Larger Same Smaller				Larger Same Smaller		
Width.....	2	45	2	Length, Single.....	10	16	23
Height....	13	26	10	Length, Combination....	23	15	11
Axle Load..	27	16	6	Lgth., Trac. Semi-Trailer	38	8	3

3,595,000 Carloads Automotive Freight P

Automotive Proportion of all Railroad Carloads

Products of	All Traffic, Carloads (I. C. G. Statistics)	Of which Auto Mfg. and Use and Highway Building Products (See table opposite)	
		Carloads	Per Cent
Manufactures and Miscellaneous..	9,216,024	2,791,504	*30.3%
Forests and Mines.....	12,076,520	803,870	†6.6%
All other Carload Traffic.....	4,658,399	.....	.....
Total carload traffic originated	25,950,943	3,595,374	13.8%

*In 1931—28.8%; 1932—34.4%; 1933—32.7%; 1934—33.0%; 1935—32.9%.

†In 1931—7.6%; 1932—8.4%; 1933—8.0%; 1934—8.4%; 1935—8.6%.

Rail Carloads of Automobiles, Trucks, Parts and Tires, 1936

(From Railroad Commodity Reports)

EASTERN LINES	Carloads		Total Carloads Carried	Revenue
	Originated	Received from Connections		
N. Y. C. Lines (E. & A. R.R.—C. C. C. & St. L. Lines—M. C. R.R.—N. Y. C. R.R.—P. & L. E. R.R.).....	202,794	62,204	264,998	\$18,492,726
G. T. W. R.R.....	94,945	11,984	106,929	5,106,512
D. T. & I. R.R.....	58,207	5,329	63,536	2,379,263
P. M. R.R.....	54,288	6,622	60,910	3,454,977
Penna. R.R.....	30,299	32,121	62,420	5,357,983
Erie R.R.....	21,514	32,529	54,043	3,352,278
B. & O. R.R.....	16,158	43,644	59,802	3,133,763
Wabash Ry.....	9,748	46,422	56,170	3,984,701
Ann Arbor R.R.....	12	4,847	4,859	240,519
A. C. & Y. Ry.....	8,890	143	9,033	371,642
Reading Co.....	8,308	18,969	27,277	837,842
C. R. R. of N. J.....	12	7,605	7,617	178,358
D. & T. S. L. R.R.....	4,891	15,366	20,257	383,981
N. Y. C. & St. L. R.R.....	2,780	13,743	16,523	1,014,170
C. & E. I. Ry.....	2,266	10,054	12,320	665,513
N. & W. Ry.....	1,421	8,738	10,159	984,216
B. & M. R.R.....	1,359	19,819	21,178	1,070,542
N. Y. S. & W. R.R.....	1,328	7,069	8,397	299,848
E. J. & E. Ry.....	1,159	2,149	3,308	59,112
C. & O. Ry.....	1,114	8,614	9,728	723,044
C. I. & L. R.R.....	956	2,113	3,069	137,259
D. L. & W. R.R.....	791	24,364	25,155	1,836,390
L. V. R.R.....	527	26,195	26,722	1,840,710
W. & L. E. Ry.....	390	9,974	10,364	288,765
D. & H. R.R.....	316	9,442	9,758	238,270
W. Md. Ry.....	238	7,158	7,396	257,773
N. Y. N. H. & H. R.R.....	183	19,057	19,240	896,926
Virginian Ry.....	52	3,957	4,009	249,851
C. Vt. Ry.....	19	5,679	5,698	283,191
C. P. Lines in Me. & Vt.....	.....	6,341	6,341	97,567
P. & W. Va. Ry.....	.....	5,764	5,764	97,447
Miscellaneous.....	169	24,459	24,628	609,256
Total Eastern Lines.....	525,134	486,316	1,011,450	\$58,924,395
SOUTHERN LINES				
Southern Ry.....	20,426	13,737	34,163	\$2,244,743
C. N. O. & T. P. Ry.....	1,019	12,554	13,573	1,225,673
M. & O. R.R.....	588	1,857	2,445	198,404
A. G. S. R.R.....	338	1,646	1,984	85,173
G. S. & F. Ry.....	162	3,319	3,481	160,700
N. O. & N. E. R.R.....	24	1,112	1,136	59,236
Ill. Cent. R.R.....	11,356	32,147	43,503	3,839,220
C. of Ga. Ry.....	14	3,412	3,426	173,483
L. & N. R.R.....	5,376	6,783	12,159	1,134,430
A. C. L. Ry.....	1,291	6,024	7,315	550,565
S. A. L. Ry.....	843	5,642	6,485	547,470
Norfolk Southern R.R.....	446	1,265	1,711	111,806
G. M. & N. R.R.....	136	3,292	3,428	316,607
N. C. & St. L. Ry.....	21	3,447	3,468	236,467
Cinchfield.....	.....	3,597	3,597	200,515
Miscellaneous.....	47	9,374	9,421	440,784
Total Southern Lines.....	42,087	109,208	151,295	\$11,527,276

(Continued on following page)

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One Out of Every Seven Rail Freight Carloads Is Automotive

Year	All Traffic, Carloads (I.C.C. Statistics)	Automotive Freight Carloads*	Automotive Freight Per Cent of Total Carloads	Revenue From Automotive Freight
1929.....	36,821,868	3,667,792	10.0%	\$563,411,000
1930.....	31,479,071	3,330,583	10.6%	478,466,000
1931.....	24,631,961	3,106,645	12.6%	396,738,000
1932.....	18,067,496	2,543,833	14.1%	325,000,000
1933.....	19,278,087	2,640,910	13.7%	324,320,000
1934.....	21,223,443	3,064,805	14.4%	365,021,000
1935.....	21,779,757	3,361,601	15.5%	416,234,000
1936.....	25,950,943	3,595,374	13.8%	450,732,000

* Includes freight produced by motor vehicle manufacture and use and highway construction.

Shipments of Assembled Passenger Cars and Motor Trucks

From Factories and Assembling Plants in United States, including Exports

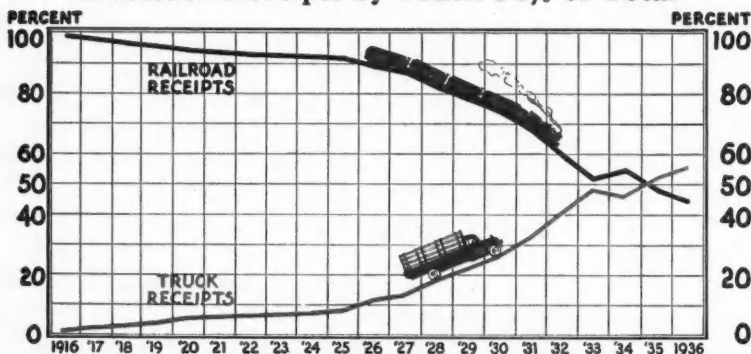
Year	Railroad Carloads of Machines	Machines Delivered Overland	Machines Shipped by Boat	Year	Railroad Carloads of Machines	Machines Delivered Overland	Machines Shipped by Boat
1929.....	733,631	1,958,738	199,576	1933.....	198,827	1,209,303	126,258
1930.....	423,486	1,412,450	99,414	1934.....	318,294	1,899,974	272,458
1931.....	283,858	1,050,545	85,609	1935.....	401,547	2,237,432	311,436
1932.....	130,820	706,977	51,103	1936.....	448,685		

94,321,674 Cubic Feet Steamship Space Required for Motor Vehicle Shipments

The major tonnage of important steamship lines consists of automobiles and parts from United States and Canada enroute to foreign countries. Below is the number of cubic feet of steamship space used in:

	Cubic Feet
1933.....	33,032,282
1934.....	75,083,312
1935.....	93,362,113
1936.....	94,321,674

Livestock Receipts by Truck 56% of Total



School Buses Carry 3,150,000 Children

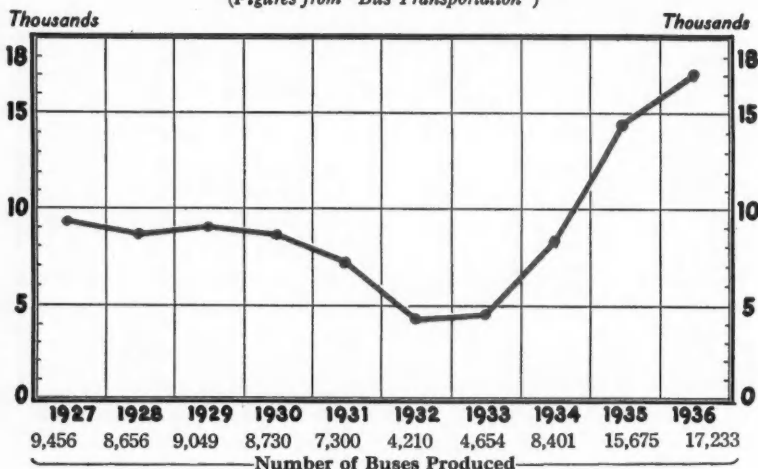
(Figures from "Bus Transportation," January, 1937)

	No. of Schools	No. of Buses	Miles of Route	Children Carried	Cost of Service
New England					
1. Connecticut.....	250	650	3,900	31,372	\$956,635
2. Maine.....	100	500	4,000	15,000	580,000
3. Massachusetts.....	450	1,600	6,700	53,000	1,450,000
4. New Hampshire.....	241	382	2,675	8,400	400,000
5. Rhode Island.....	30	150	1,475	4,600	140,000
6. Vermont.....	150	175	1,750	5,400	224,000
Central Atlantic					
7. Delaware.....	65	229	2,455	8,500	\$253,078
8. District of Columbia..	6	17	102	185	22,000
9. Maryland.....	488	838	10,543	51,325	970,168
10. New Jersey.....	462	2,600	13,000	84,035	2,147,123
11. New York.....	5,401	6,771	101,168	107,298	4,500,000
12. Pennsylvania.....	700	2,500	12,500	250,000	2,500,000
Southeast					
13. Alabama.....	1,190	2,581	49,420	105,418	\$1,527,797
14. Florida.....	737	1,418	20,000	73,040	1,604,643
15. Georgia.....	1,000	2,288	69,820	124,696	1,306,758
16. North Carolina.....	1,208	3,995	65,359	271,994	1,321,129
17. South Carolina.....	380	1,485	21,695	44,625	834,199
18. Virginia.....	750	1,897	9,485	120,360	1,297,383
Mid-West					
19. Illinois.....	75	500	5,000	20,000	\$500,000
20. Indiana.....	1,000	7,224	73,725	205,115	4,086,517
21. Iowa.....	390	2,218	15,000	46,000	1,300,000
22. Kentucky.....	500	1,008	15,422	58,196	725,319
23. Michigan.....	95	550	4,500	15,000	450,000
24. Ohio.....	1,526	7,074	82,766	229,154	5,148,126
25. West Virginia.....	2,500	894	20,970	84,324	1,174,051
26. Wisconsin.....	1,100	1,200	8,000	15,000	420,000
Gulf Southwest					
27. Arkansas.....	500	1,500	13,539	60,000	\$900,000
28. Louisiana.....	751	2,377	26,895	127,333	1,893,210
29. Mississippi.....	900	4,322	38,812	172,880	1,770,915
30. Missouri.....	260	800	15,000	24,000	550,000
31. Oklahoma.....	654	2,224	31,856	82,762	1,267,882
32. Tennessee.....	920	1,488	14,880	66,960	1,000,000
33. Texas.....	2,200	3,823	76,000	188,357	1,399,010
Central Northwest					
34. Minnesota.....	409	1,846	13,847	42,098	\$1,050,528
35. Montana.....	105	400	4,500	7,500	300,000
36. North Dakota.....	360	600	9,000	17,000	780,000
37. South Dakota.....	100	350	3,500	6,500	250,000
West Mid-Continent					
38. Colorado.....	170	1,021	9,000	26,891	\$646,943
39. Kansas.....	240	500	7,400	15,000	500,000
40. Nebraska.....	68	278	4,600	3,000	120,000
41. Wyoming.....	138	492	5,922	9,966	417,393
Pacific Southwest					
42. Arizona.....	221	434	13,056	14,056	\$292,314
43. California.....	820	2,100	15,000	98,980	2,803,888
44. Nevada.....	79	200	4,150	2,123	118,092
45. New Mexico.....	778	898	26,981	23,420	635,647
46. Utah.....	38	430	5,319	25,358	460,000
Pacific Northwest					
47. Idaho.....	210	540	6,000	9,800	\$390,000
48. Oregon.....	305	450	6,469	9,124	395,000
49. Washington.....	892	1,981	15,848	80,035	1,500,748
"Bus Transportation"					
Census Total.....	31,912	79,798	989,004	3,145,180	\$55,280,496
"Bus Transportation"					
Est. Total.....	31,950	73,900*	990,000	3,150,000	\$55,300,000

* It is estimated that about 6,000 buses used part time in school service are operated mainly in common carrier service and hence cannot strictly be classed as school buses.

Bus Production Sets New High Record

(Figures from "Bus Transportation")



123,900 Motor Buses in United States, 1936

(Figures as of December 31st from "Bus Transportation")

REVENUE	1931	1932	1933	1934	1935	1936
1. City	14,050	16,225	16,500	17,580	19,250	22,000
2. Intercity	28,350	26,706	26,314	22,820	23,750	24,750
Total (1 + 2)	42,400	42,931	42,814	40,400	43,000	46,750
3. Sightseeing and charter hire	3,000	2,069	2,186	2,600	2,000	2,250
Total (1 + 2 + 3) ...	45,400	45,000	45,000	43,000	45,000	49,000
NON-REVENUE						
4. Schools*	51,500	59,000	60,300	64,130	71,850	73,900
5. Hotel	700	500	350	300	300	300
6. Industrial	900	800	600	500	500	500
7. Miscellaneous	400	400	250	200	200	200
Total (4 + 5 + 6 + 7)	53,500	60,700	61,500	65,130	72,850	74,900
Grand Total	98,900	105,700	106,500	108,130	117,850	123,900
a. Motor carriers	31,850	32,213	33,280	29,990	30,650	34,400
b. Electric railways	12,050	11,541	11,000	11,600	12,600	12,850
c. Steam railroads	1,500	1,246	720	1,410	1,750	1,750

*About 6,000 buses in school service are operated part time as common carriers, and consequently are included in the figure for that service.

Bus Census by States—1929-1936

(This is a compilation of statistics obtained as a result of actual censuses conducted by "Bus Transportation." Figures indicated for the 1931 census may be accepted as embracing approximately 94 per cent of the bus operation in the United States. Due to improvement of census machinery "Bus Transportation" has been enabled to present a more comprehensive picture of the nation's bus operations with each succeeding year, and figures since 1931 approximate 100 per cent.)

	1929	1930	1931	1932	1933	1934	1935	1936
Alabama.....	1,225	2,379	2,376	2,505	2,391	2,491	2,605	2,801
Arizona.....	434	608	509	1,041	827	787	690	792
Arkansas.....	861	1,441	1,450	1,524	1,357	1,354	1,567	1,592
California.....	4,195	4,349	4,289	5,165	4,282	4,027	4,490	4,565
Colorado.....	1,299	1,504	985	1,375	1,097	1,258	1,693	1,688
Connecticut....	1,227	1,214	1,228	1,276	1,196	1,331	1,388	1,490
Delaware.....	206	211	258	237	273	254	258	277
Dist. of Col....	327	344	368	390	356	373	522	594
Florida.....	1,507	1,671	1,564	1,151	1,754	1,801	1,890	1,817
Georgia.....	1,484	1,505	1,791	2,785	2,571	2,781	2,532	2,550
Idaho.....	485	536	515	534	425	457	602	594
Illinois.....	2,493	2,390	2,077	1,595	1,800	1,736	2,322	2,350
Indiana.....	7,044	7,071	7,307	7,542	7,144	7,223	8,975	7,966
Iowa.....	1,990	1,952	2,753	2,122	1,990	2,665	2,782	2,473
Kansas.....	784	841	814	850	816	826	968	945
Kentucky.....	652	764	755	1,023	1,270	1,099	1,392	1,497
Louisiana.....	2,458	2,665	2,666	2,727	2,723	2,725	2,872	2,829
Maine.....	307	314	259	638	564	656	715	665
Maryland.....	853	1,289	1,401	1,282	1,363	1,269	1,295	1,255
Massachusetts..	2,915	3,064	3,180	3,540	3,401	3,662	4,089	4,144
Michigan.....	2,828	2,785	2,768	2,700	2,027	1,988	2,106	2,242
Minnesota.....	1,800	1,978	2,010	2,153	2,224	2,251	2,331	2,344
Mississippi.....	3,208	3,227	2,889	4,110	4,089	4,401	4,425	4,447
Missouri.....	833	781	924	1,430	1,918	1,904	2,178	2,505
Montana.....	505	512	513	536	467	505	578	586
Nebraska.....	503	639	837	707	848	531	644	662
Nevada.....	180	151	150	178	230	233	371	277
New Hampshire..	338	355	344	358	351	290	374	458
New Jersey....	5,630	6,434	6,814	7,127	5,801	6,770	6,756	7,133
New Mexico....	376	396	546	596	639	527	985	963
New York.....	4,456	4,720	5,010	8,442	9,058	9,939	11,401	12,660
North Carolina..	4,211	4,513	4,381	4,712	4,714	4,843	4,403	4,340
North Dakota...	860	564	563	587	598	610	654	648
Ohio.....	4,740	4,882	7,228	7,820	7,601	8,229	9,020	9,533
Oklahoma.....	1,458	1,507	1,810	2,253	2,270	1,939	2,028	2,660
Oregon.....	714	840	806	907	775	890	873	918
Pennsylvania...	3,607	3,759	5,205	5,719	4,777	4,867	5,129	5,237
Rhode Island...	285	394	402	500	357	437	421	497
South Carolina..	1,147	1,394	1,787	1,844	1,634	1,544	1,566	1,572
South Dakota...	422	357	355	451	396	401	450	460
Tennessee.....	1,069	1,119	1,235	1,222	1,252	1,252	1,646	2,024
Texas.....	1,856	1,847	1,927	3,329	3,347	3,451	3,802	5,260
Utah.....	469	583	599	521	522	577	609	635
Vermont.....	266	309	269	400	369	339	369	343
Virginia.....	2,116	2,183	2,221	2,335	2,401	2,355	2,427	2,502
Washington....	1,740	2,281	2,287	2,406	2,512	2,654	2,549	2,774
West Virginia...	868	884	887	1,100	955	1,144	1,207	1,402
Wisconsin.....	1,228	1,272	1,297	1,180	1,148	1,757	1,653	1,690
Wyoming.....	788	847	798	861	867	874	877	848
United States								
Total.....	81,247	87,625	93,407	105,786	101,747	106,277	115,479	120,504

Automobile Instalment Financing

(Figures from National Association of Sales Finance Companies)

No.	Average Note Purchased	UNITED STATES					CANADA	
		Passenger & commercial Vehicles					Pass. & Comm.	
		1929	1933	1934	1935	1936	1935	1936
1	New cars.....	\$595	\$516	\$551	\$550	\$580	\$701	\$698
2	Used cars.....	297	220	226	237	258	263	264
3	All cars.....	456	343	370	370	400	404	399

Average Loss Per Repossessed Car								
4	New cars.....	....	....	\$64	\$67	\$61	....	\$61
5	Used cars.....	....	....	45	53	49	21	25
6	All cars.....	63	42	50	55	51	....	27

Percentage of Repossessions								
9	New cars total.....	3.0	2.8	2.9	2.7	2.2	1.3	1.5
11	Used cars total.....	5.6	7.8	7.2	10.7	7.5	4.4	10.0
12	All cars.....	4.2	5.7	5.3	7.3	5.1	3.4	7.4

13	Skips Per 1,000 Transactions.....	5.2	4.6	2.2	2.4	2.6	3.5	4.7
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Instalment Paper Ratios								
		%	%	%	%	%	%	%
14	Over 12 months, new.....	37.6	62.3	71.8	58.2	59.4
15	Over 12 months, used.....	14.6	24.1	35.5	25.4	17.5
16	Over 12 months, total.....	14.9	12.9	29.8	48.3	58.9	44.2	40.3
17	Under 33 1/3% down payment, new...	....	....	17.0	29.1	25.6	18.6	18.3
18	Under 40% down payment, used.....	....	....	20.5	42.7	26.7*	10.0	6.1
19	Under 33 1/3/40% down payment, total	8.0	11.6	18.2	34.1	26.0	14.8	12.7

		UNITED STATES					CANADA	
		Pass. Cars		Commercial			Pass. Comm.	
		1929	1935	1936	1935	1936	1936	1936
Per Cent Sold on Instalments								
		%	%	%	%	%	%	%
25	New cars.....	62.6	58.2	61.2	55.9	57.7	47.2	58.9
26	Used cars.....	65.1	62.9	58.2	58.0	61.8	60.6	67.6
27	Total.....	64.0	61.2	59.3	57.0	59.8	56.2	63.7

Per Cent Trade-Ins								
		%	%	%	%	%	%	%
28	On sales of new cars.....	72.5	86.6	85.9	69.1	73.3	85.5	64.9
29	On sales of used cars.....	45.5	55.6	51.1	47.3	47.9	54.2	51.2
30	All trade-ins % of new cars sold....	127.1	177.9	172.9	118.1	123.4	196.8	126.9
31	Used cars sold % of new cars sold....	128.6	164.1	170.3	117.2	104.6	205.2	121.2
32	Used cars junked % of trade-ins....	9.2	8.7	10.7	11.4	11.9	6.8	10.2

* Standard down payment 33 1/3% instead of 40%.

NOTE: Items 25 to 32, Automobile dealer data obtained through courtesy of National Automobile Dealers Association and Dominion Automobile Dealers' Association by questionnaire submitted to its members.

43,400 Car Dealers in United States

(Figures from Chilton Company, as of January 1, 1937)

	Total Car and Truck Dealers	Total Pass. Car Dealers	Car Dealer Service Stations	Independent Repair Shops	Total Repair Shops	Total Retail Outlets Duplication Eliminated	No. of Wholesalers	Total Truck Fleets*
Alabama	371	358	353	380	733	763	62	225
Arizona	165	160	158	171	329	333	26	103
Arkansas	444	414	410	537	947	1,002	49	174
California	2,262	2,015	1,963	5,330	7,293	7,920	491	1,985
Colorado	514	477	469	594	1,063	1,132	62	301
Connecticut	634	590	603	769	1,372	1,513	102	646
Delaware	71	67	62	121	183	200	11	93
Dist. of Col.	110	101	100	152	252	281	30	256
Florida	497	431	418	574	992	1,124	102	405
Georgia	596	516	498	512	1,010	1,132	86	346
Idaho	334	285	311	221	532	569	28	46
Illinois	2,501	2,450	2,466	3,500	5,966	6,299	365	2,574
Indiana	1,342	1,263	1,279	1,668	2,947	3,056	189	919
Iowa	1,653	1,543	1,482	1,629	3,111	3,405	148	445
Kansas	1,297	1,226	1,138	1,279	2,147	2,643	130	305
Kentucky	664	633	634	564	1,198	1,282	85	305
Louisiana	357	329	314	414	728	813	61	352
Maine	373	352	352	529	881	868	41	139
Maryland	475	449	447	587	1,034	1,106	65	526
Massachusetts	1,124	1,098	1,040	1,454	2,494	2,610	228	1,554
Michigan	1,855	1,771	1,740	1,982	3,722	3,973	204	1,484
Minnesota	1,703	1,631	1,562	1,582	3,144	3,292	100	565
Mississippi	355	349	337	342	679	699	43	91
Missouri	1,197	1,136	2,107	2,035	4,142	3,388	183	904
Montana	442	400	415	347	762	796	31	112
Nebraska	1,121	1,107	1,003	1,233	2,236	2,417	91	288
Nevada	122	120	117	97	214	227	8	37
New Hampshire	261	241	243	353	596	609	29	88
New Jersey	1,075	1,005	1,011	2,078	3,089	3,280	178	1,419
New Mexico	159	146	140	144	284	313	21	43
New York	2,953	2,897	2,805	5,548	8,353	8,987	566	3,466
North Carolina	662	643	631	653	1,284	1,370	94	342
North Dakota	596	560	547	486	1,033	1,118	29	48
Ohio	2,488	2,475	2,463	2,668	5,131	5,364	378	1,844
Oklahoma	869	803	818	971	1,789	1,988	124	330
Oregon	480	454	429	883	1,312	1,479	76	234
Pennsylvania	3,333	3,176	3,200	4,495	7,695	8,038	392	2,615
Rhode Island	191	189	172	326	498	548	32	298
South Carolina	313	302	293	370	663	606	47	154
South Dakota	551	514	484	440	924	1,024	25	51
Tennessee	440	429	423	540	963	983	82	378
Texas	2,092	1,973	1,948	2,840	4,788	4,554	299	862
Utah	219	203	212	234	446	500	35	151
Vermont	206	196	199	363	562	586	26	46
Virginia	670	647	637	937	1,574	1,640	73	353
Washington	766	734	692	1,393	2,085	2,199	128	488
West Virginia	522	500	492	506	998	1,043	69	315
Wisconsin	1,836	1,744	1,772	1,446	3,218	3,371	136	757
Wyoming	200	186	192	146	338	365	14	59
Total	43,461	41,288	41,581	56,423	98,004	102,808	5,874	29,521

*Number of fleet owners with 5 or more trucks.

One Out of Every Five Retail Dollars Comes from Automotive Purchases

(Figures from "Census of Business, 1935" by U. S. Census Bureau)

	Number of Establishments	Sales	Pro- priators ¹	Employees Full and Part Time	Payroll ² Full and Part Time
WHOLESALE	(000 omitted)			(000 omitted)	
Automotive Products	7,052	\$2,164,519	3,766	74,808	\$123,896
Petroleum and Its Products	28,197	2,974,234	3,999	97,692	160,137
Total Automotive	35,249	5,138,753	7,765	172,500	284,033
Total All Wholesale	176,756	42,802,913	97,225	1,260,553	2,022,262
Percent Automotive	19.9	12.0	8.0	13.7	14.0
RETAIL					
Motor Vehicle Dealers	35,045	\$3,847,642	30,219	267,022	\$325,043
Access., Tire and Battery Dealers	14,343	373,910	10,384	45,751	54,557
Filling Stations	197,568	1,967,714	179,870	203,753	177,128
Garages ⁴	66,243	370,064	71,626	63,220	55,122
Other Automotive	1,071	15,034	991	2,007	2,271
Total Automotive	314,270	6,574,364	293,090	581,753	614,121
Total All Retail	1,653,961	33,161,276	1,511,734	3,961,478	3,623,289
Percent. Automotive	19.0	19.5	19.4	14.7	16.9
SERVICE					
Automobile Laundries	907	\$2,987	877	1,647	\$972
Automobile Paint Shops	1,534	5,525	1,652	1,714	1,552
Automobile Radiator Shops	1,109	3,850	1,153	919	874
Automobile Rental Service	765	15,532	497	3,546	4,378
Automobile Storage Garages ⁵	6,905	68,040	5,853	17,296	17,381
Auto. Top and Body Rep. Shops	5,501	32,611	5,922	10,213	10,672
Battery and Ignition Rep. Shops	2,377	8,487	2,467	1,559	1,338
Parking Lots	4,341	18,751	3,127	5,704	4,428
Tire Repair Shops	2,065	6,490	2,101	1,144	927
Other Automotive Repairs	724	5,645	696	1,333	1,629
Total Automotive	26,228	167,918	24,345	45,075	44,151
Total All Service	570,013	1,947,518	577,181	613,015	537,398
Percent. Automotive	4.6	8.6	4.2	7.4	8.2
MOTOR TRANSPORTATION					
Motor Bus ⁶	1,751	\$167,933	943	39,613	\$55,267
School Bus ⁷	26,729	20,033	26,580	3,067	930
Motor Trucking for Hire ⁸	61,216	530,860	59,621	158,283	179,485
Total	89,696	718,826	87,144	200,963	235,682
Grand Total Auto. Business	465,443	\$8,263,921	412,344	1,000,291	1,177,987

¹—Proprietors and firm members actively engaged in business.

²—Does not include compensation of proprietors and firm members.

³—Does not include commission bulk tank stations.

⁴—Repair Garages where storage is secondary.

⁵—Storage Garages where repairs are secondary.

⁶—Common Carrier buses only (19,182 out of 45,000 revenue buses estimated for that year (1935) by Bus Transportation).

⁷—Covers 27,047 vehicles. Bus Transportation estimate 59,000.

⁸—Covers 188,809 vehicles. Bureau of Public Roads counts show 15% of motor trucks are operated for hire. At that rate over 500,000 were in use in 1935.

⁹—Total sales of wholesalers not included because most of them would duplicate retail sales. Wholesalers' retail sales, 802,813 are included.

1,412,635 Persons Engaged in Automotive Sales, Service and For-Hire Transportation

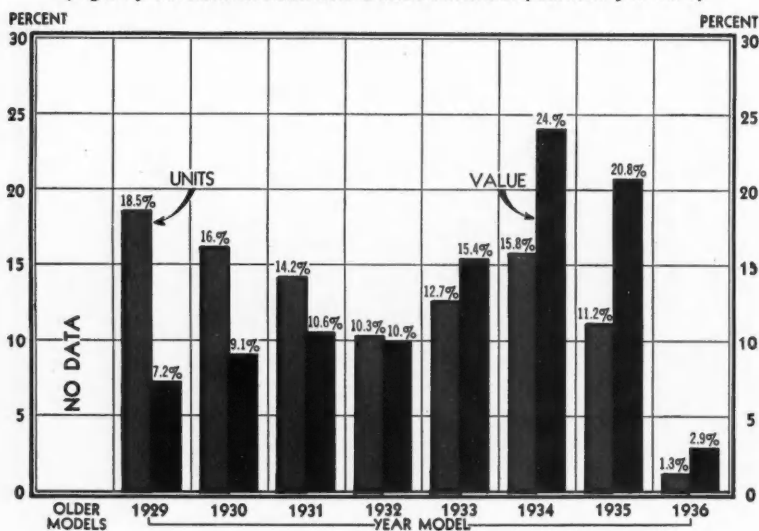
(Figures from "Census of Business, 1935" by U. S. Census Bureau)

	Establish- ments	Sales (Thou- sands)	Pro- prietors'	Employees Full and and Part Time	Payroll Full and Part Time (Thou- sands)
Alabama.....	5,825	\$77,178	5,039	9,568	\$8,004
Arizona.....	1,689	32,771	1,463	3,504	3,929
Arkansas.....	4,906	59,036	4,370	6,972	6,017
California.....	28,622	591,951	25,675	67,433	85,967
Colorado.....	5,005	80,410	4,384	8,914	9,648
Connecticut.....	5,242	111,669	4,316	13,655	16,880
Delaware.....	1,257	17,941	1,152	1,904	1,960
Dist. of Col.....	1,013	59,964	607	6,941	8,718
Florida.....	6,900	110,400	5,927	13,511	13,242
Georgia.....	8,043	114,510	6,928	15,598	14,200
Idaho.....	2,387	40,787	2,127	3,361	3,866
Illinois.....	22,262	413,563	19,606	52,426	63,449
Indiana.....	15,517	205,602	14,031	23,735	24,813
Iowa.....	16,383	174,099	15,120	19,020	17,302
Kansas.....	10,938	131,940	9,319	15,094	13,830
Kentucky.....	7,814	91,044	7,221	12,360	11,142
Louisiana.....	4,651	74,159	3,802	11,263	10,875
Maine.....	3,543	52,719	3,129	5,338	5,813
Maryland.....	4,200	93,308	3,725	12,048	12,968
Massachusetts.....	11,499	249,377	9,518	32,458	39,824
Michigan.....	16,828	386,470	14,945	42,192	52,817
Minnesota.....	14,012	187,556	12,428	21,258	22,945
Mississippi.....	4,407	45,988	3,854	6,277	4,868
Missouri.....	16,392	220,613	14,529	31,065	33,600
Montana.....	2,626	53,222	2,024	4,355	5,375
Nebraska.....	8,281	101,399	7,347	11,823	11,380
Nevada.....	557	10,989	429	967	1,255
New Hampshire.....	2,215	31,804	2,016	3,136	3,298
New Jersey.....	11,781	220,826	10,005	25,977	32,274
New Mexico.....	1,496	26,060	1,284	2,644	2,777
New York.....	33,261	690,035	28,558	83,663	113,666
North Carolina.....	9,549	136,285	8,417	16,006	15,057
North Dakota.....	3,418	42,531	2,736	3,870	4,326
Ohio.....	25,674	455,592	23,108	52,950	62,506
Oklahoma.....	9,820	127,209	8,879	15,480	14,943
Oregon.....	4,727	84,871	4,216	9,269	11,499
Pennsylvania.....	25,962	454,230	23,417	57,539	63,509
Rhode Island.....	1,743	40,997	1,472	5,006	5,756
South Carolina.....	4,468	62,673	3,747	7,811	6,571
South Dakota.....	3,957	43,267	3,367	4,407	4,091
Tennessee.....	7,113	117,500	6,503	14,367	13,506
Texas.....	23,406	357,779	21,246	45,018	42,910
Utah.....	2,115	33,503	1,892	4,016	4,499
Vermont.....	1,964	25,339	1,813	2,748	2,700
Virginia.....	7,083	111,540	6,028	13,872	13,821
Washington.....	7,527	128,786	6,626	13,714	17,342
West Virginia.....	4,774	69,768	4,206	7,838	8,039
Wisconsin.....	12,545	198,295	10,938	20,727	22,008
Wyoming.....	1,442	25,587	1,297	2,086	2,394
Total by States.....	436,839	\$7,273,142	384,786	*865,184*	\$972,179*
<i>Unsegregated</i>					
Wholesalers.....	124	*802,813	35	1,268	2,690
Buses.....	28,480	187,966	27,523	42,680	56,197
Bulk Tank Stations.....	.....	.....	.....	*91,159	*146,921
United States Total.....	465,443	\$8,263,921	412,344	*1,000,291*	\$1,177,987

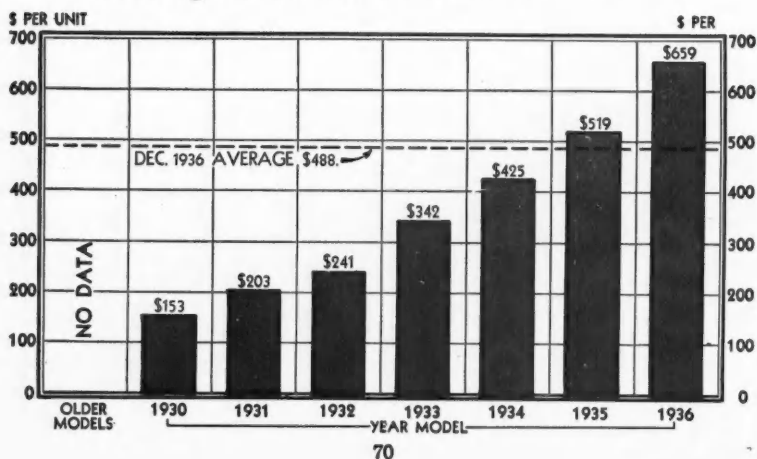
See footnotes on preceding page.

Sales of 1929-Model Used Cars Largest in Number 1934-Model Sales Greatest in Dollar Volume

(Figures from National Automobile Dealers Association, Calendar year 1936)



Average Used Car Price \$488 in 1936



71% of State Highway Mileage Is Surfaced

(Figures on state highway system from U. S. Bureau of Public Roads)

STATE SYSTEM AS OF DECEMBER 31, 1935

	Total Local and State Mileage ¹	Total State System ²	Total Surfaced Mileage	Total Non- Surfaced Mileage	Total Primary Roads	Second- ary Road System	Streets Con- necting State Highways	Total New Sur- facing
Ala.....	76,095	6,500	4,298	2,202	6,256	.....	244	377
Ariz.....	23,576	3,068	2,475	593	3,038	.....	30	177
Ark.....	74,001	9,116	7,776	1,340	8,938	.....	178	300
Calif.....	77,693	13,623	12,479	1,144	12,616	.....	1,007	780
Colo.....	73,800	9,421	5,500	3,921	3,559	5,769	93	730
Conn.....	13,569	2,594	2,505	89	2,446	.....	167	143
Dela.....	3,892	3,850	1,679	2,171	1,659	2,171	45	187
Fla.....	41,406	12,184	7,676	4,508	11,689	.....	495	301
Ga.....	113,778	9,234	5,376	3,858	9,146	.....	88	816
Idaho.....	36,624	4,932	3,553	1,379	4,753	.....	179	304
Ill.....	97,615	10,835	10,655	180	10,204	.....	772	269
Ind.....	77,136	9,766	8,974	792	9,304	.....	462	205
Iowa.....	101,713	9,283	8,987	296	8,278	.....	1,005	659
Kan.....	133,063	9,614	7,064	2,550	9,095	.....	519	2,515
Ky.....	62,633	8,238	7,449	789	8,238	.....	.....	1,053
La.....	38,302	17,691	11,969	5,722	4,446	13,018	227	228
Me.....	22,458	8,186	6,834	1,352	2,435	5,614	148	230
Md.....	14,971	3,927	3,927	.....	3,871	.....	56	94
Mass.....	18,136	1,860	1,860	.....	1,706	.....	401	89
Mich.....	86,460	9,460	8,761	699	8,431	.....	1,029	265
Minn.....	113,883	11,339	10,832	507	10,926	.....	413	1,187
Miss.....	60,427	6,078	5,832	246	3,940	2,084	54	455
Mo.....	106,449	13,442	12,631	811	8,156	5,224	62	1,779
Mont.....	69,314	5,524	4,471	1,053	5,131	370	23	772
Nebr.....	94,638	11,142	7,373	3,769	10,547	.....	595	708
Nev.....	26,102	4,885	2,428	2,457	2,688	2,176	21	521
N. H.....	12,840	3,300	3,300	.....	1,464	1,836	101	119
N. J.....	23,649	1,952	1,849	103	1,409	.....	592	31
N. M.....	31,939	10,248	3,723	6,525	10,095	.....	153	381
N. Y.....	84,085	13,911	12,516	1,395	13,911	.....	776	322
N. C.....	57,698	58,222	26,354	31,868	10,799	47,048	856	543
N. D.....	106,879	7,353	6,235	1,118	7,338	.....	26	1,268
Ohio.....	85,603	14,330	14,244	86	12,203	.....	2,127	295
Okla.....	108,182	7,640	6,482	1,158	7,640	.....	162	467
Ore.....	45,776	6,782	5,663	1,119	4,610	2,033	139	199
Pa.....	86,749	35,480	28,785	6,695	12,974	20,260	2,246	482
R. I.....	2,376	1,121	749	372	1,019	.....	105	27
S. C.....	64,068	5,996	5,612	384	5,996	.....	.....	369
S. D.....	119,882	5,987	5,129	858	5,959	.....	64	1,363
Tenn.....	69,637	7,446	6,950	496	7,181	.....	265	152
Texas.....	220,643	20,461	14,977	5,484	20,461	.....	1,311 ⁴	2,238
Utah.....	23,544	5,127	3,113	2,014	4,694	.....⁵	433	309
Vt.....	14,386	1,765	1,742	23	1,765	.....	102	66
Va.....	46,013	46,162	25,735	20,427	9,122	37,040	218 ³	320
Wash.....	44,326	3,797	3,586	211	3,542	.....	255	349
W. Va.....	33,819	33,816	8,562	25,254	4,670	28,960	186	461
Wis.....	82,865	10,094	9,657	437	9,982	.....	490	1,169
Wyo.....	46,228	3,569	3,097	472	3,537	.....	32	740
Total..	3,068,921	520,351	371,424	148,927	331,867	173,603	18,952	26,814

¹—Estimated by American Association of State Highway Officials in April 1936 issue of "American Highways."

²—This table shows the existing mileage, on December 31, 1935, of roads and streets under the jurisdiction or control of the state highway departments, including city streets designated as extensions of the state highway systems.

³—Not segregated from primary system.

⁴—Includes 730 miles not segregated from primary system.

⁵—Secondary state highway system, reported as 655 miles in 1934, merged with primary state system in 1935.

State Highway

For Highway and Bridge Work Under

(Source: U. S. Bureau of Public Roads; Compiled for

NET INCOME FROM CURRENT STATE REVENUE SOURCES

	Balance on Hand January 1, 1935 ¹	Highway Funds	Reserves for Debt Service	State Road Tax Levies and Appropriations	Motor Fuel Taxes	Motor Vehicle Regis- tration Fees, Etc.	Motor Carrier Taxes ¹	Tolls on State Highway Bridges, Ferries, Etc.	Total from Current State Revenue Sources
State									
Ala.....	\$282		\$1,741	.....	\$5,130	\$2,571	\$55	\$332	\$8,088
Ariz.....	266			.....	2,069	683	109		2,861
Ark.....	1,870		819	.....	7,279	2,454	2	450	10,186
Calif.....	8,610			3,680	24,992	2,933	737		32,366
Colo.....	333		57	150	4,316	72	142		4,668
Conn.....	370				5,472	5,254	49	4	10,784
Del.....	478		642		1,476	1,026			2,582
Fla.....	—1,191				7,657				7,657
Ga.....	6,652				10,147	1,038	127		11,312
Idaho.....	760		167	242	3,109	168			3,519
Ill.....	13,352				9,567	19,047			28,614
Ind.....	3,629				9,391	3,182	176		12,749
Iowa.....	2,824				6,370	9,248			15,618
Kansas.....	3,222				8,612	3,224	642		12,478
Ky.....	—1,092		235		9,819	2,548	115	809	13,291
La.....	—426		1,002		8,064	3,406		16	11,486
Me.....	2,034		234	44	4,557	3,117		205	7,923
Md.....	2,941		220	281	8,227	3,583			12,102
Mass.....	8,187		3,812		17,287	4,817			22,104
Mich.....	6,801		24,220		16,548				16,548
Minn.....	1,845		803	1,448	7,395	6,598			15,441
Miss.....	264				4,156	183			4,339
Mo.....	3,452		4		9,755	7,826	423		18,004
Mont.....	714				3,905				3,905
Neb.....	932				5,370	588			5,958
Nev.....	207			31	960	241	184		1,416
N. H.....	—29		235		2,868	1,448			4,316
N. J.....	17,435		31,193		11,032	10,898	56		21,986
N. M.....	663		187	1	2,815	439	60		3,315
N. Y.....	19,082		44,710		8,701	11,981		483	21,165
N. Car.....	7,478		7,218	50	18,376	6,948	132	14	25,520
N. Dak.....	413				1,530	241			1,771
Ohio.....	5,532				16,009	5,164	450		21,623
Okl.....	—1,102				4,912	1,284	740		6,936
Oregon.....	2,517				7,817	2,437	679		10,933
Penn.....	4,090		16,646		27,504	25,585	6		53,095
R. I.....	1,304		1,603		2,148	2,639			4,787
S. Car.....	1,507		2,507		7,164	1,607	61		8,832
S. Dak.....	744			6	1,938	273	351		2,568
Tenn.....	6,436		500	109	8,696	2,993	147	404	12,349
Texas.....	6,704				16,604	5,041	9	52	21,706
Utah.....	453		5,345		2,677	738	237		3,652
Vt.....	1,618				2,232	2,502			4,734
Va.....	139		652		12,774	4,653	92		17,519
Wash.....	1,344		1,209	1	12,546	2,647		3	15,197
W. Va.....	1,072		3,124	1,750	6,078	4,770	59		12,885
Wis.....	9,557				15,193	9,874			25,067
Wyo.....	504		73	50	1,414	464	115		2,043
Total.....	154,777	149,158	7,843	7,843	392,658	188,433	5,955	2,772	598,010

¹—In order to obtain uniform data on state highway finance for all states, the reported income and expenditures of the state highway departments have been amplified, when necessary, by the addition of transactions relating to state highway debt service, balances in sinking funds and other reserves for debt service, income and expenditures of special bridge and grade separation authorities, expenditures of local authorities on state highways, and other adjustments.

²—Wherever possible, balances in sinking funds and other reserves for the payment of principal and interest on state highway obligations have been segregated from other highway funds. Minus sign indicates a deficit.

³—Special taxes imposed on motor vehicles operated for hire and other motor carriers.

Income in 1935

Supervision of State Highway Departments

Calendar Year from Reports of State Authorities)¹

NET INCOME FROM OTHER THAN CURRENT STATE REVENUE SOURCE

Miscellaneous ¹	Federal Funds For Road Construction ²		Advances to Trust Funds ³	Other Federal Funds Received ⁷	Funds Transferred From Local Government Units For Work on Local State Highways Roads and Streets		Income from Issue of Bonds, Notes, Etc.	Total from Other Than Current State Revenue Sources	THOUSANDS OF DOLLARS	
	Regular Payments	Federal Funds Received			Work on State Highways	Work on Local Roads and Streets			Total Income	State
\$20	\$5,579	\$150	.....	.....	\$19	.....	.....	\$5,768	\$13,856	Ala.
21	2,517	100	.....	.....	.....	.....	.....	2,638	5,499	Ariz.
9	4,666	300	.....	.....	.....	.....	.....	4,975	15,161	Ark.
59	7,229	.....	.....	.....	267	13	.....	7,568	39,934	Calif.
132	3,762	.....	.....	.....	.....	.....	.....	3,920	8,600	Colo.
51	1,500	.....	.....	708	11,003	47	.....	13,309	24,093	Conn.
37	482	.....	.....	.....	.....	.....	.....	519	3,101	Dela.
.....	2,580	.....	.....	854	54	.....	.....	3,488	11,145	Fla.
18	5,344	—150	.....	.....	.....	.....	.....	5,233	16,545	Ga.
38	2,246	—150	.....	.....	16	.....	.....	2,150	5,669	Idaho
198	8,379	502	.....	.....	.....	.....	.....	9,079	37,693	Ill.
99	6,413	—800	.....	341	166	1	.....	6,220	18,969	Ind.
4	5,722	.....	.....	.....	39	.....	210	5,975	21,593	Iowa
32	5,293	—250	.....	68	4	.....	1,328	6,475	18,953	Kans.
27	4,249	.....	.....	.....	100	.....	.....	4,376	17,667	Ky.
14	3,686	300	.....	.....	.....	.....	6,064	10,064	.....	La.
257	2,249	—650	.....	.....	1,428	1	.....	901	4,186	Me.
32	1,839	.....	.....	487	18	.....	1,529	3,905	16,007	Md.
306	3,509	.....	.....	1,263	.....	2,987	9,099	17,164	39,268	Mass.
965	8,842	—400	.....	532	104	.....	.....	10,043	26,591	Mich.
142	5,468	—500	.....	.....	.....	.....	4,522	9,632	25,073	Minn.
8	5,377	100	.....	.....	.....	.....	.....	5,485	9,824	Miss.
268	6,875	500	.....	202	26	.....	.....	7,871	25,875	Mo.
.....	4,222	.....	.....	173	.....	.....	.....	4,395	8,300	Mont.
8	3,974	.....	.....	.....	35	.....	.....	4,017	9,975	Neb.
21	3,022	200	.....	.....	7	.....	.....	3,250	4,666	Nev.
19	1,032	.....	.....	113	49	.....	1,001	2,214	6,530	N. H.
1,490	1,889	.....	.....	.....	.....	108	.....	3,487	25,473	N. J.
56	2,971	—300	.....	.....	6	.....	1,253	3,986	7,301	N. M.
1,974	11,055	.....	.....	.....	606	.....	22,387	36,022	57,187	N. Y.
170	5,461	.....	.....	.....	.....	.....	.....	5,631	31,151	N. Car.
.....	2,990	—100	.....	.....	.....	.....	250	3,198	4,969	N. Dak.
240	6,892	325	.....	.....	55	.....	.....	7,512	29,135	Ohio
22	5,120	200	.....	.....	1	.....	.....	5,343	12,279	Okla.
13	3,514	.....	.....	652	133	.....	2,529	6,841	17,774	Ore.
736	9,884	—500	.....	.....	.....	250	.....	10,370	63,465	Penn.
64	1,323	.....	.....	.....	.....	.....	.....	1,387	6,174	R. I.
40	2,425	.....	.....	.....	31	.....	60	2,556	11,388	S. Car.
1	4,430	.....	.....	.....	.....	.....	.....	4,431	6,999	S. Dak.
14	4,526	.....	.....	.....	.....	.....	.....	4,540	16,889	Tenn.
191	14,376	—1,000	.....	23	833	.....	.....	14,423	36,129	Texas
37	2,380	—100	.....	.....	42	.....	.....	2,459	6,111	Utah
.....	1,219	.....	.....	.....	328	55	.....	1,602	6,336	Vt.
230	4,696	.....	.....	26	.....	.....	.....	4,952	22,471	Va.
62	3,232	.....	.....	325	.....	.....	.....	3,619	18,816	Wash.
104	1,505	300	.....	.....	28	.....	4,750	6,687	19,572	W. Va.
84	6,139	.....	.....	.....	1,387	.....	.....	7,610	32,677	Wis.
57	3,156	.....	.....	198	14	.....	.....	3,425	5,468	Wyo.
8,370	215,239	—1,823	.....	5,965	16,904	3,462	55,883	304,000	902,010	Total

¹—Includes interest on deposits and investments, railway participation in grade crossing eliminations, and miscellaneous unclassified receipts.

²—These columns include all payments through the agency of the Bureau of Public Roads.

³—Repayments of trust fund advances are indicated by minus signs.

⁴—Includes federal oil royalties and grants from federal agencies for emergency construction and work relief on highways. Information on expenditures by federal relief agencies for state highway work was reported by only a few states.

State Highway Expenditures

(Source: U. S. Bureau of Public Roads; Compiled from Census of Public Highways, 1939)

EXPENDITURES FOR STATE-ADMINISTERED HIGHWAYS

State	THOUSANDS OF DOLLARS	CAPITAL OUTLAY ¹				Net Administrative, Engineering, and Miscellaneous ²				State Highway Police ³
		Total Capital Outlay	Acquisition of Right-of-Way	Construction of Roads	Construction of Bridges, Etc.	Total Maintenance ⁴	Equipment ⁵	Engineering, and Miscellaneous ⁶		
Alabama.....	7,325	7,325		7,325		1,873	15	206		81
Arizona.....	3,789		102	3,225	462	1,029	131	248		115
Arkansas.....	4,794			4,794		2,552		555		42
California.....	22,910	2,652		17,295	2,963	8,615	—44	1,980		
Colorado.....	5,640			5,640		1,419	103	312		73
Connecticut.....	9,824	50		9,319	455	3,198	146	635		325
Delaware.....	1,406	195		1,110	101	563	186	69		164
Florida.....	7,375			7,375		3,612	148	338		59
Georgia.....	12,034	45		10,758	1,231	1,230	0	248		
Idaho.....	4,160			4,160		1,242	121	146		
Illinois.....	22,922			22,922		4,595	866	2,807		893
Indiana.....	12,440	1,097		8,485	2,858	4,132	217	1,094		
Iowa.....	8,788	623		6,044	2,121	2,863	686	366		
Kansas.....	9,533	538		8,995		2,633	—59	559		181
Kentucky.....	11,415			11,415		4,582	1,046	872		40
Louisiana.....	8,855			8,855		3,135	428	323		342
Maine.....	4,595	115		3,671	809	3,414	99	247		183
Maryland.....	4,514	335		3,766	413	2,072	60	626		261
Massachusetts.....	9,586	1,738		4,400	3,448	5,123	0	387		325
Michigan.....	15,295	735		12,767	1,793	5,643	393	120		
Minnesota.....	10,937	1,419		8,099	1,419	6,244	0	242		171
Mississippi.....	7,013	414		6,599		2,433	166	162		28
Missouri.....	14,718	153		14,565		4,039	0	1,173		256
Montana.....	4,879	249		3,632	998	1,554	127	269		
Nebraska.....	7,132	169		6,963		2,985	0	247		15
Nevada.....	3,710	19		3,555	136	623	—3	96		23
New Hampshire.....	1,997	126		1,647	224	2,485	22	466		
New Jersey.....	8,218	1,870		4,558	1,790	2,901	11	691		
New Mexico.....	3,599	6		3,045	548	1,248	137	788		
New York.....	35,484			20,781	14,703	8,813	0	648		
North Carolina.....	6,707			6,707		10,008	415	471		249
North Dakota.....	2,311	23		2,279	9	1,351	—23	116		20
Ohio.....	11,425	384		11,041		10,584	672	1,680		473
Oklahoma.....	8,249	210		8,039		2,511	227	581		
Oregon.....	8,037	159		3,663	4,215	2,647	50	434		278
Pennsylvania.....	13,542	231		11,276	2,035	18,180	—437	6,145		1,532
Rhode Island.....	1,664	86		1,364	214	836	30	236		
South Carolina.....	3,900	161		3,739		1,592	68	181		185
South Dakota.....	3,872	1		3,871		1,268	0	179		
Tennessee.....	6,243			6,243		2,070	—36	501		
Texas.....	22,580			22,580		9,786	396	835		308
Utah.....	3,781	200		3,581		1,560	—52	191		109
Vermont.....	1,649			1,649		1,021	0	129		
Virginia.....	7,871	489		6,196	1,186	11,439	—192	472		
Washington.....	7,737	462		6,261	1,014	2,379	250	456		
West Virginia.....	7,219	302		6,917		4,663	573	421		29
Wisconsin.....	10,947	719		9,988	240	4,948	—4	542		
Wyoming.....	3,791			3,791		765	—20	163		46
Total.....	416,412	16,077		354,950	45,385	184,458	6,819	30,653		6,906

¹—In order to obtain uniform data on state highway finance for all states, the reported income and expenditures of the State Highway Departments have been amplified, when necessary, by the addition of transactions relating to state highway debt service, balances in sinking funds and other reserves for debt service, income and expenditures of special bridge and grade separation authorities, expenditures of local authorities on state highways, and other adjustments.

²—Segregation of construction expenditures by class of expenditure and system on which expended was incomplete in many states. Where expenditures were not segregated the total is given under the headings "construction of roads."

³—Includes regular maintenance of roads and bridges, snow removal, highway marking and signing, and maintenance of drawbridges, ferries, and other highway utilities. Segregation of maintenance expenditures by system on which expended was incomplete in many states.

⁴—In a large number of states equipment costs are charged to construction and maintenance projects, generally through a system of rentals. In these cases only the net debit or credit in the equipment account is shown. Credits are indicated by a minus sign.

⁵—The classification of administrative, engineering, and miscellaneous expenditures is not uniform, as some states charge all or a large portion of overhead costs to construction and maintenance.

Expenditures in 1935

Calendar Year from Reports of State Authorities)¹

Interest on Highway Obligations ²	Total Expenditures for State-Administered Highways	Retirement of State Highway Obligations ³	OTHER EXPENDITURES OR FUND TRANSFERS		Total Expenditures	BALANCE ON HAND, DECEMBER 31, 1935 ⁴		THOUSANDS OF DOLLARS
			Local Roads and Streets ⁵	Non-Highway Purposes ⁶		Highway Funds	Reserves for Debt Service	
1,821	11,321	876	.....	.....	12,197	2,386	1,296	Alabama
5,653	5,312	.....	314	5	5,631	134	.....	Arizona
2,365	13,596	2,506	.....	.....	16,102	1,085	663	Arkansas
107	35,826	1,775	201	.....	37,802	10,742	.....	California
.....	7,654	126	.....	1	7,781	1,202	7	Colorado
.....	14,128	548	2,222	.....	16,898	7,565	.....	Connecticut
384	2,772	280	.....	561	3,613	543	65	Delaware
.....	11,532	.....	.....	16	11,548	—1,594	.....	Florida
.....	13,512	.....	.....	2,967	16,479	6,718	.....	Georgia
55	5,724	381	.....	.....	6,105	310	181	Idaho
5,592	37,675	3,866	1,188	.....	42,729	8,316	.....	Illinois
.....	17,883	.....	.....	70	17,953	4,645	.....	Indiana
4,055	16,758	4,060	1,421	.....	22,239	2,178	.....	Iowa
25	12,872	1,180	3,897	.....	17,949	4,126	100	Kansas
426	18,381	421	4	.....	18,806	—2,218	222	Kentucky
3,900	16,983	2,039	.....	.....	19,022	1,859	1,245	Louisiana
1,148	9,686	1,164	821	.....	11,671	2,505	201	Maine
779	8,312	1,874	4,371	143	14,700	4,098	370	Maryland
277	15,698	528	9,227	10,395	36,719	10,652	3,896	Massachusetts
2,178	23,629	24	.....	.....	23,653	6,927	27,032	Michigan
1,669	19,263	2,450	1,237	.....	22,950	3,997	774	Minnesota
.....	9,802	.....	174	.....	9,976	112	.....	Mississippi
4,440	24,626	3,000	35	.....	27,661	1,470	200	Missouri
162	6,991	642	.....	.....	7,633	1,381	.....	Montana
.....	10,379	.....	.....	.....	10,379	528	.....	Nebraska
20	4,469	62	40	16	4,587	286	.....	Nevada
228	5,198	464	460	.....	6,165	25	546	New Hampshire
4,249	16,070	520	10,181	.....	26,771	11,875	35,455	New Jersey
498	6,270	1,089	.....	.....	7,359	672	120	New Mexico
7,118	52,063	2,707	.....	.....	54,770	20,257	45,952	New York
4,305	22,155	4,928	.....	1,000	28,083	9,900	7,864	North Carolina
.....	3,775	.....	1,131	5	4,911	471	.....	North Dakota
.....	24,834	.....	938	.....	25,772	8,895	.....	Ohio
.....	11,568	.....	.....	.....	11,568	—391	.....	Oklahoma
1,226	12,572	2,790	1,600	.....	16,991	3,296	4	Oregon
3,595	42,557	2,000	1,252	73	45,972	20,242	17,987	Pennsylvania
243	3,009	.....	.....	672	3,681	3,675	1,725	Rhode Island
2,463	8,389	4,208	.....	.....	12,597	2,556	249	South Carolina
.....	5,319	.....	1,329	.....	6,728	1,015	.....	South Dakota
4,564	13,342	388	151	309	14,190	7,186	2,449	Tennessee
.....	33,905	.....	.....	.....	33,905	8,928	.....	Texas
325	5,914	.....	.....	.....	5,914	237	5,758	Utah
232	3,031	718	2,171	.....	5,920	2,034	.....	Vermont
198	19,788	.....	.....	2	19,790	2,316	1,156	Virginia
42	10,864	82	5,682	1,038	17,666	2,727	976	Washington
3,414	16,319	4,087	.....	.....	20,406	387	2,975	West Virginia
8	16,441	3,808	6,891	4,080	31,335	10,899	.....	Wisconsin
154	4,899	165	.....	14	5,078	885	82	Wyoming
67,918	713,066	55,756	56,938	21,367	848,355	198,040	159,550	Total

¹—Expenditures for state highway police are recorded only in the case of those states which reported such expenditures as a part of their state highway finances.

²—Includes interest on state highway and bridge bonds, notes, etc., and on county or local obligations assumed as reimbursement for local roads added to the state system.

³—Includes payments in retirement of state highway bonds, notes, etc., and of county or local obligation assumed as reimbursement for local roads added to state system. Payments to sinking fund are not included, as they are merely transfers from highway funds to reserves for debt service.

⁴—Includes expenditures by or under supervision of state highway departments on local roads and streets, and transfers to local units for work on local roads and streets or for service of local highway obligations, in cases where such transfers were reported as expenditures of the state highway departments.

⁵—Includes expenditures or transfers for relief of unemployment or destitution, transfers to state general funds, and other non-highway expenditures.

⁶—Wherever possible, balances in sinking funds or other reserves for the payment of principal and interest on state highway obligations have been segregated from other highway funds. Minus signs indicate deficits.

City Automobile Registration, Street

One Passenger Car for Every Six Persons
in Cities Above 100,000 Population

(Please credit The Reuben H. Donnelley Corporation)

Cities Above 100,000 Population	Pass. Cars ¹	Trucks ¹	Popula- tion ²	Pop. Per Car	Area Sq. Miles ²	Paved Street ³ Mileage	Unpaved Street ³ Mileage	Total Street ³ Mileage
Akron, Ohio.....	61,833	5,912	255,000	4.2	54.0	333.0	412.0	745.0
Albany, N. Y.....	24,696	6,047	132,822	5.3	19.6	145.0	70.0	215.0
Atlanta, Ga.....	63,611	10,432	270,366	4.2	34.4	435.0	170.0	605.0
Baltimore, Md....	118,463	18,788	855,127	7.2	92.0	889.7	106.0	995.7
Birmingham, Ala..	36,863	5,571	280,000	7.6	50.3	776.0	550.0	1,326.0
Boston, Mass.....	92,068	20,234	833,092	9.0	47.0	669.0	28.0	697.0
Bridgeport, Conn..	24,555	4,140	149,000	6.1	14.6	142.8	66.5	209.3
Buffalo, N. Y.....	119,398	13,686	600,000	5.0	42.7	624.5	70.3	694.8
Cambridge, Mass...	14,363	3,386	120,000	8.3	6.3	114.4	14.0	128.4
Camden, N. J.....	18,147	3,108	120,000	6.6	8.7	168.0	82.0	250.0
Canton, Ohio.....	26,421	2,832	105,000	4.0	13.7	130.0	195.0	325.0
Chattanooga, Tenn.	18,799	2,802	125,000	6.6	28.0	262.0	650.0	912.0
Chicago, Ill.....	474,026	59,471	3,885,246	8.2	212.8	3,153.4	522.8	3,676.2
Cincinnati, O.....	85,424	11,842	473,421	5.6	71.9	755.0	38.0	793.0
Cleveland, O.....	207,260	22,307	940,100	4.5	73.4	1,009.0	145.0	1,154.0
Columbus, O.....	78,661	11,110	308,409	3.9	38.4	501.8	200.0	701.8
Dallas, Tex.....	70,094	11,677	318,000	4.5	40.8	320.0	300.0	620.0
Dayton, O.....	57,909	5,590	210,800	3.6	23.3	204.6	222.8	427.4
Denver, Col.....	80,190	9,717	338,000	4.2	58.8	175.0	855.0	1,030.0
Des Moines, Ia....	36,757	5,054	152,000	4.1	53.0	318.0	326.0	644.0
Detroit, Mich.....	402,388	34,602	1,759,171	4.4	137.9	1,789.0	816.0	2,605.0
Duluth, Minn.....	20,146	2,995	102,000	5.0	62.3	165.6	351.0	516.6
Elizabeth, N. J....	18,902	2,378	120,000	6.3	10.5	117.6	15.4	133.0
El Paso, Tex.....	15,927	2,614	105,192	6.6	13.5	125.0	125.0	250.0
Erie, Pa.....	25,953	3,101	116,000	4.5	18.2	173.0	187.0	360.0
Evansville, Ind....	23,019	3,835	106,000	4.6	9.5	140.0	49.0	189.0
Fall River, Mass...	11,973	2,316	116,353	9.7	33.9	106.2	139.0	245.2
Flint, Mich.....	44,199	3,149	165,000	3.7	29.4	193.0	336.0	529.0
Fort Wayne, Ind...	32,980	4,454	121,000	3.7	16.5	260.0	100.0	360.0
Fort Worth, Tex...	41,083	6,950	178,000	4.3	40.6	223.1	376.9	600.0
Gary, Ind.....	21,404	2,318	110,000	5.1	40.3	225.0	65.0	290.0
Grand Rapids, Mich	46,879	5,643	180,000	3.8	23.4	307.0	97.0	404.0
Hartford, Conn....	29,659	5,194	182,000	6.1	17.8	175.0	22.0	197.0
Houston, Tex.....	73,591	13,105	400,000	5.4	71.6	800.7	201.2	1,001.9
Indianapolis, Ind..	98,812	17,209	387,017	3.9	52.4	544.0	312.0	856.0
Jacksonville, Fla...	26,792	4,901	155,000	5.8	29.9	337.0	377.0	714.0
Jersey City, N. J...	34,642	5,973	336,659	9.7	19.2	164.9	18.6	183.5
Kansas City, Kan...	26,525	4,004	130,000	4.9	20.2	220.6	108.1	328.7
Kansas City, Mo...	81,467	11,624	400,000	4.9	58.4	757.7	150.0	907.7
Knoxville, Tenn...	18,195	2,981	125,000	6.9	26.4	275.0	175.0	450.0
Long Beach, Cal...	51,128	4,188	153,000	3.0	29.7	195.3	239.7	435.0
Los Angeles, Cal...	379,360	46,028	1,326,852	3.5	450.8	2,004.0	2,924.0	4,928.0
Louisville, Ky....	52,228	7,531	373,240	7.1	40.0	307.0	290.0	597.0
Lowell, Mass.....	10,986	2,077	100,294	9.1	14.1	106.1	121.2	227.3
Lynn, Mass.....	14,544	2,085	102,000	7.0	10.4	90.0	60.0	150.0
Memphis, Tenn...	38,164	5,509	276,000	7.2	46.9	640.0*	21.0	661.0
Miami, Fla.....	44,015	6,291	140,000	3.2	30.0	500.0	200.0	700.0
Milwaukee, Wis...	119,071	14,458	618,374	5.2	43.3	631.9	183.3	815.2†
Minneapolis Minn.	116,732	13,349	492,113	4.2	53.8	227.8	685.4	913.2

Mileage, Population and Area, 1936

114 City-Owned Motor Vehicles per Mile of Street

26% of Vehicles and 30% of Population in These Cities

when reproducing motor vehicle registrations)

Cities Above 100,000 Population	Pass. Cars ¹	Trucks ¹	Popula- tion ²	Pop. Per Car	Area Sq. Miles ³	Paved Street ¹ Mileage	Unpaved Street ¹ Mileage	Total Street ¹ Mileage
Nashville, Tenn.	30,721	4,452	156,000	5.1	26.4	393.2	8.8	402.0
Newark, N. J.	59,583	18,605	457,000	7.7	23.6	373.3	10.0	383.3
New Bedford, Mass.	14,072	2,173	111,200	7.9	19.4	195.4	19.2	214.6
New Haven, Conn.	25,162	5,869	165,000	6.6	17.8	152.0	62.0	214.0
New Orleans, La.	55,994	10,116	509,000	9.1	365.7	323.0	770.0	1,093.0
New York, N. Y.	657,177	113,169	7,624,000	11.6	309.9	4,100.0	1,400.0	5,500.0
Norfolk, Va.	18,104	3,136	127,000	7.0	38.0	220.0	200.0	420.0
Oakland, Cal.	84,182	8,688	305,000	3.6	49.4	511.0	204.0	716.0
Oklahoma City, Okla.	50,533	8,555	210,000	4.1	25.0	304.0	450.0	754.0
Omaha, Neb.	51,379	6,830	220,000	4.3	39.3	446.0	263.0	709.0
Paterson, N. J.	25,320	4,716	139,628	5.5	8.4	145.0	23.5	168.5
Peoria, Ill.	28,004	3,637	116,000	4.1	12.8	137.5	87.2	224.7
Philadelphia, Pa.	233,733	39,249	2,100,000	9.0	30.0	1,994.0	105.0	2,099.0
Pittsburgh, Pa.	97,425	17,683	700,000	7.2	54.3	850.0	500.0	1,350.0
Portland, Ore.	85,544	10,491	327,687	3.8	63.5	842.0	435.0	1,277.0
Providence, R. I.	51,782	8,190	253,000	4.9	17.9	329.1	4.8	333.9
Reading, Pa.	21,675	3,284	112,113	5.2	9.0	53.0	80.0	133.0
Richmond, Va.	33,371	7,105	190,000	5.7	22.0	331.0	50.0	381.0
Rochester, N. Y.	80,604	8,234	340,000	4.2	36.0	423.0	103.0	526.0
Salt Lake City, Utah	33,914	5,867	146,000	4.3	52.8	120.0	415.0	535.0
San Antonio, Tex.	54,860	11,253	253,000	4.6	36.0	300.0	450.0	750.0
San Diego, Cal.	45,360	4,929	165,300	3.6	94.7	551.0	102.0	653.0
San Francisco, Cal.	136,355	19,838	732,443	5.4	44.2	677.0	193.0	870.0
Scranton, Pa.	19,353	4,271	150,000	7.7	19.5	106.8	47.2	155.0
Seattle, Wash.	97,233	11,926	402,030	4.1	68.0	769.0	186.0	955.0
Somerville, Mass.	11,165	2,751	103,908	9.3	4.2	25.9	74.4	100.3
South Bend, Ind.	26,284	3,780	110,000	4.1	19.8	205.3	110.9	316.2
Spokane, Wash.	30,564	5,320	130,000	4.3	41.5	123.2	503.4	626.6
Springfield, Mass.	25,568	3,470	150,000	5.9	33.1	218.5	150.0	368.5
St. Louis, Mo.	149,822	24,938	830,500	5.5	61.0	764.5	122.1	886.6
St. Paul, Minn.	63,372	8,751	291,000	4.6	52.1	251.0	419.0	670.0
Syracuse, N. Y.	44,088	5,837	221,787	5.0	24.9	234.6	158.6	393.2
Tacoma, Wash.	27,912	4,227	109,750	3.9	46.5	187.0	530.0	717.0
Tampa, Fla.	23,215	4,413	101,161	4.4	19.0	282.5	178.5	461.0
Toledo, O.	76,591	7,431	290,718	3.8	34.9	468.1	131.0	599.1
Trenton, N. J.	26,739	4,691	124,000	4.6	8.0	105.0	55.0	160.0
Tulsa, Oklahoma.	36,848	7,089	162,996	4.4	21.3	262.3	157.5	419.8
Utica, N. Y.	17,606	2,715	110,000	6.2	16.0	142.0	33.0	175.0
Washington, D. C.	150,910	18,258	619,000	4.1	60.0	686.0	112.3	798.3
Wichita, Kan.	31,416	4,889	111,000	3.5	21.0	232.0	150.0	382.0
Wilmington, Del.	20,205	3,315	120,000	5.9	15.8	115.0	43.0	158.0
Worcester, Mass.	30,692	3,935	192,000	6.2	37.0	138.0	350.0	488.0
Yonkers, N. Y.	20,217	2,227	157,455	7.8	21.0	224.0	16.0	240.0
Youngstown, O.	32,472	3,637	185,000	5.7	33.5	265.0	155.0	420.0

Total, 93 cities.. 6,567,426 938,508 39,479,324 6.0 3,204 42,504 23,393 65,892

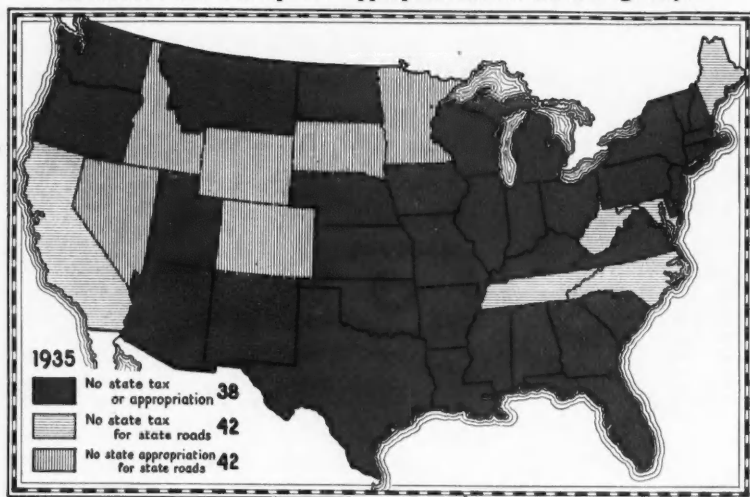
*—Includes gravel surface. †—Intersections counted only once.

¹—Total passenger car, and truck, registrations furnished by The Reuben H. Donnelley Corporation, as of July 1, 1936.

²—Figures furnished by the city engineers of all cities surveyed by the Automobile Manufacturers Association, as of January 1, 1936.

42 States Levied No General Property Taxes for State Highways in 1935

42 States Made No Special Appropriations for State Highways

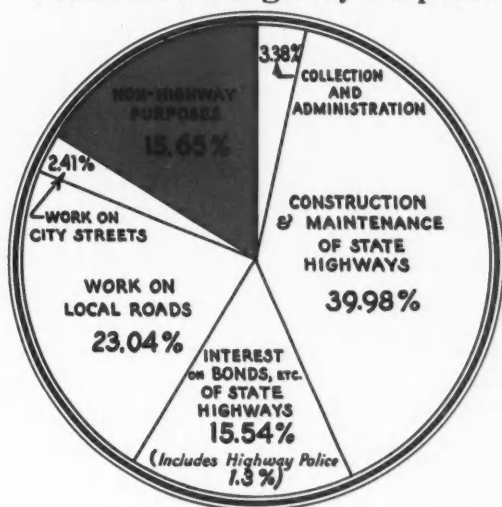


65% of State Highway Income from State Motor Taxes in 1935

(Source: U. S. Bureau of Public Roads)

Sources of State Highway Income	Amount	Percent of Total Income
1. Motor fuel taxes.....	\$392,658,000	43.51
2. Motor vehicle fees, etc.	188,433,000	20.90
3. Motor carrier taxes.....	5,955,000	.66
4. Tolls on State highway bridges and ferries.....	2,772,000	.31
Total motor vehicle sources.....	\$589,818,000	65.38
5. State road tax levies.....	1,929,000	.21
6. Appropriations from general funds..	5,914,000	.66
7. Other State taxes, fees, etc.....	349,000	.04
Total current State sources.....	\$598,010,000	66.3%
8. Federal funds for road construction:		
Bureau of Public Roads.....	\$213,416,000	23.68
Other Federal funds.....	5,965,000	.66
9. Miscellaneous State highway income	8,370,000	.93
10. Funds transferred from local government units.....	20,366,000	2.25
11. Income from bond and note issues..	55,883,000	6.20
Total other than current State sources..	\$304,000,000	33.7%
Total Income.....	\$902,010,000	100%

Nearly One-Sixth of State Motor Taxes Used for Non-Highway Purposes



Disposition of State Tax Receipts, 1935

(Source: U. S. Bureau of Public Roads)

	Gasoline Tax	Per Cent	Registration Tax	Per Cent	Motor Carrier Tax	Per Cent	Total Imposts	Per Cent
Expenses of Collection & Administration....	\$4,275,369	.69	\$22,537,468	7.21	\$2,570,463	20.82	\$31,761,144	3.38
For Other Administrative Purposes.....	860,872	.14	1,516,972	.49	.....	.....	.....	.....
State Highway Constr., Maint. & Administration.....	258,036,693	41.92	113,582,228	36.35	4,370,617	35.40	375,989,538	39.98
State Highway Police....	3,284,703	.53	8,631,339	2.76	188,720	1.53	12,104,762	1.29
State Highway Bonds....	57,618,031	9.36	34,840,481	11.15	962,224	7.79	93,420,736	9.93
State Assumed Local Obligations.....	25,530,777	4.15	10,783,516	3.45	48,658	.39	36,362,951	3.87
Notes & Other Short Term Loans.....	4,181,762	.68	68,046	.02	1,765	.02	4,251,573	.45
Total for State Highways.....	348,651,966	56.64	167,905,610	53.73	5,571,984	45.13	522,129,560	55.52
Local Roads & Sts. For Work on County & Local Roads.....	123,420,040	20.05	83,035,093	26.57	1,261,232	10.21	207,716,365	22.09
For Work on City Sts. Service of Local Highway Obligations.....	20,855,123	3.39	1,852,451	.59	130	.....	22,707,704	2.41
Total, Local Roads and Streets.....	6,271,404	1.02	1,269,288	.41	169,056	1.37	7,709,748	.82
Total, Local Roads and Streets.....	150,546,567	24.46	86,156,832	27.57	1,430,418	11.58	238,133,817	25.32
For Other Highway Purposes (park and forest roads, etc.).....	775,185	.12	481,488	.15	12,707	.10	1,269,380	.13
Non Highway Purposes To General Funds.....	57,184,330	9.29	26,759,863	8.56	2,713,451	21.98	86,657,644	9.22
For Relief of Unemployment.....	15,548,262	2.53	1,369,738	.44	6,803	.06	16,924,803	1.80
For Education.....	26,363,586	4.28	4,405,359	1.41	4,198	.03	30,773,143	3.27
For Other Purposes.....	11,374,838	1.85	1,374,711	.44	37,070	.30	12,786,619	1.36
Total Non-Highway Total Funds Distrib.	110,471,016	17.95	33,909,671	10.85	2,761,522	22.37	147,142,209	15.65
Total Funds Distrib.	\$615,580,975	100	\$312,508,041	100	\$12,347,094	100	\$940,436,110	100

Automobile Industry in Leading European Countries Great Britain

(Source: Society of Motor Manufacturers and Traders, Ltd., London)

	PRODUCTION		REGISTRATION		Road Mileage ¹	Exports	Imports
	Pass. Cars	Trucks	Pass. Cars	Trucks			
1924.....	116,600	30,000	579,845	213,137	177,321	15,659	23,746
1925.....	132,000	35,000	692,830	236,038	177,682	29,050	47,667
1926.....	153,500	44,500	800,268	261,697	178,205	32,399	21,543
1927*.....	164,553	47,227	898,935	288,015	178,361	35,692	31,354
1928.....	165,352	46,525	997,923	311,410	178,737	32,540	32,153
1929.....	182,347	56,458	1,098,134	336,122	179,095	42,021	37,784
1930.....	169,669	66,859	1,177,872	354,948	179,286	29,754	11,278
1931.....	158,997	67,310	1,192,897	367,452	177,256	24,312	3,608
1932.....	171,244	61,475	1,235,974	377,145	176,791	40,178	3,072
1933.....	220,779	65,508	1,313,346	394,770	177,347	51,692	4,019
1934.....	256,866	85,633	1,420,490	420,799	177,822	57,649	12,488
1935.....	311,544	92,176	1,592,402	442,187	178,507	68,205	15,401
1936 ²	367,142	114,305	1,726,375	511,616	.....	81,713	15,334

¹—Excluding Northern Ireland. Other columns include Northern Ireland.

²—U. S. Bureau of Foreign & Domestic Commerce.

* Year ended September from 1927 onwards, except 1936 which is calendar year.

France

(Source: U. S. Bureau of Foreign and Domestic Commerce)

	PRODUCTION		REGISTRATION		Road Mileage	Exports	Imports
	Pass. Cars	Trucks	Pass. Cars	Trucks			
1924.....	145,000 ¹	.....	374,075	200,895	375,513	42,068	15,364
1925.....	177,000 ¹	.....	485,000	250,000	.....	57,455	16,366
1926.....	140,000	50,000	611,000	280,000	.....	59,770	5,417
1927.....	140,000	50,000	666,000	290,000	440,085	52,053	5,221
1928.....	155,000	55,000	753,000	340,000	405,028	44,106	9,646
1929.....	198,000	50,000	900,000	340,000	405,028	49,025	9,597
1930.....	181,250	40,700	1,114,400	345,250	405,132	31,112	7,865
1931.....	161,315	35,545	1,290,175	423,193	405,132	26,318	2,769
1932.....	137,710	33,245	1,387,800	457,600	406,090	19,206	1,961
1933.....	163,770	28,159	1,432,053	458,121	406,909	25,461	2,317
1934.....	172,328	29,316	1,447,240	467,321	393,761	24,987	1,728
1935.....	156,010	23,260	1,603,000	462,200	393,761	18,822	1,817
1936.....	178,354	23,383	1,686,718	480,300	.....	21,401	1,403

¹—Includes both passenger and commercial vehicles.

Germany

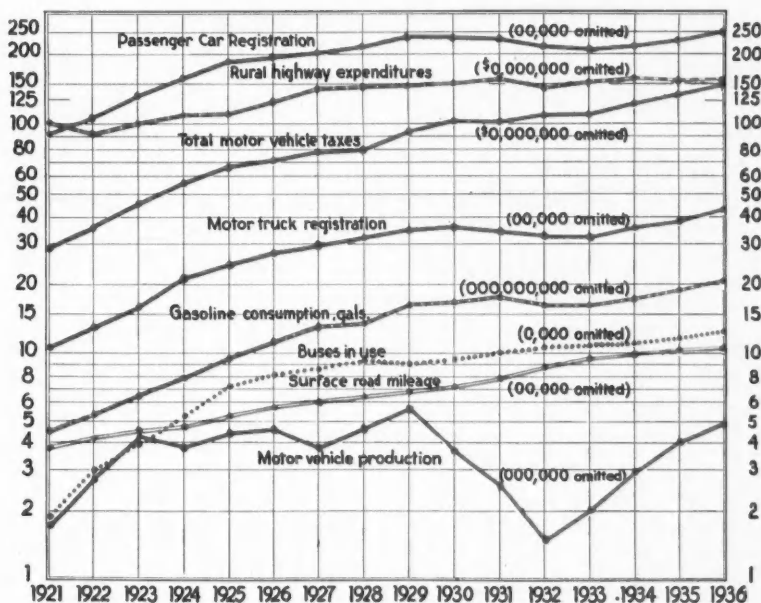
(Source: Reichverbandes der Automobilindustrie E. V., Berlin)

	PRODUCTION		REGISTRATION		Road Mileage ¹	Exports	Imports
	Pass. Cars	Trucks	Pass. Cars	Trucks			
1924.....	.....	.....	132,179	62,888	.....	2,310	5,756
1925.....	47,825	15,024	174,665	89,617	.....	2,548	12,002
1926.....	35,628	9,865	206,487	102,061	.....	2,202	11,445
1927.....	91,170	23,707	267,774	116,935	.....	4,062	12,003
1928.....	108,143	29,760	351,380	143,644	216,672	7,991	18,494
1929.....	96,250	31,577	433,205	172,512	217,479	7,784	14,870
1930.....	77,333	18,690	501,254	187,379	216,671	5,825	12,953
1931.....	62,563	15,034	522,943	192,111	216,671	11,545	3,453
1932.....	43,448	8,234	497,275	183,271	216,674	11,292	2,778
1933.....	92,226	13,261	522,209	187,838	216,674	13,496	2,703
1934.....	147,418	27,325	607,591	204,530	216,674	13,392	5,563
1935.....	201,438	41,496	800,444	241,384	216,674	24,905	7,533
1936 ¹	240,292	57,220	1,061,462	308,900	.....	36,189	6,618

¹—U. S. Bureau of Foreign & Domestic Commerce.

Note: Assemblies of vehicles from foreign parts are included in all three countries.

Motor Transportation in United States Continues At or Near Peak Levels



Italy

(Source: Royal Automobile Club of Italy, Turin)

	PRODUCTION ¹		REGISTRATION		Road Mileage ¹	Exports	Imports
	Pass. Cars	Trucks	Pass. Cars	Trucks			
1924	37,450 ²	.....	59,788	24,890	.....	18,988	1,648
1925	39,573 ²	.....	87,714	29,851	.....	29,061	4,946
1926	50,000	4,760	108,167	33,705	.....	34,191	5,804
1927	51,473	3,086	225,021	33,905	113,581	33,312	3,832
1928	41,710	13,300	148,885	40,067	116,027	28,280	5,741
1929	44,000	10,100	188,978	52,485	114,129	23,689	7,407
1930	27,997	8,535	210,669	63,993	105,637	20,735	5,786
1931	22,950	6,330	220,922	73,321	105,637	11,937	1,276
1932	25,600	3,500	236,553	81,243	105,458	6,555	894
1933	32,000	10,000	257,489	89,775	105,810	7,389	432
1934	38,907	4,509	276,019	101,688	105,810	9,434	117
1935 ¹	40,236	4,972	290,593	105,134	151,392	9,444	344
1936 ¹	40,000	5,000	.....	.....	.....	11,774	.....

¹—U. S. Bureau of Foreign & Domestic Commerce.

²—Includes both passenger and commercial vehicles.

³—First nine months only.

40,286,000 Motor 70% of Total in United States

(Figures as of December 31, 1936, from Automotive-Aeronautics Trade

Country	Passenger Cars	Buses	Trucks	Diesel Powered	Total Registrations	Total Population	Population Per Vehicle
Aegean Islands (Italian)†...	221	46	115	.....	382	131,255	344
Afghanistan.....	779	.....	3,500	.....	4,279	7,000,000	1,635
Alaska.....	2,435	.....	972	.....	3,407	59,278	17
Albania.....	360	111	358	.....	829	1,003,124	1,210
Algeria.....	53,000	1,500	7,500	240	62,240	7,184,049	116
Anglo-Egyptian Sudan.....	1,607*	.....	2,295	1	3,903	5,800,000	1,485
Angola.....	1,450	50	1,925	.....	3,425	3,098,281	904
Antigua.....	312	13	50	.....	375	29,767	79
Arabia.....	1,735	760	680	2	3,177	7,000,000	2,208
Argentina.....	181,200	7,450	58,500	820	247,970	12,372,965	50
Australia.....	511,000	.....¹	179,000	.....	690,000	6,753,114	10
Austria.....	27,450	2,133	14,339	278	44,200	6,786,000	153
Azores.....	724	91	44	.....	859	253,935	295
Bahamas.....	1,084	2	186	.....	1,272	62,069	49
Bahrein.....	136	1	32	.....	169	120,000	902
Barbados.....	1,893	108	374	2	2,377	180,055	76
Belgian Congo†.....	2,662	.....¹	2,418	.....	5,080	9,400,000	1,850
Belgium.....	126,500	1,200	73,000	1,000	201,700	8,299,940	41
Bermuda.....	1	4	53	1	59	31,190	528
Bolivia.....	1,211	30	3,000	19	4,260	3,000,000	704
Borneo.....	505*	.....	290	.....	795	270,223	339
Brazil.....	92,500	3,800	47,500	200	144,000	47,794,874	332
British East Africa:							
Kenya.....	7,927	140	1,585	75	9,727	3,099,000	318
Tanganyika.....	2,414	.....¹	1,617	60	4,091	4,988,000	1,221
Zanzibar.....	299	.....¹	256	.....	555	235,428	424
Uganda.....	1,942	.....¹	2,290	58	4,290	3,640,636	848
British Guiana.....	1,200	.....¹	300	.....	1,500	323,000	215
British Honduras.....	150	.....	91	.....	241	54,000	224
British Malaya.....	29,273	2,007	7,557	156	38,993	4,611,450	120
British Somaliland.....	46	50	150	.....	246	344,700	1,404
British South Africa:							
Basutoland.....	505	.....¹	150	.....	655	600,000	916
Bechuanaland.....	372	.....¹	140	.....	512	152,983	296
Northern Rhodesia.....	1,028	.....¹	546	.....	1,574	1,378,000	875
Southern Rhodesia.....	13,100	.....¹	3,420	.....	16,520	1,250,000	77
Swaziland.....	312	.....¹	69	.....	381	126,550	333
British Southwest Africa.....	2,554	14	1,136	1	3,705	231,760	62
South West Protectorates							
Included with the Union of South Africa							
British West Africa:							
Gambia.....	151	.....	202	.....	353	208,000	589
Gold Coast.....	1,885	10	5,515	20	7,430	3,120,000	419
Nigeria.....	3,109	.....¹	3,503	8	6,620	19,090,000	2,881
Sierra Leone.....	308	8	68	.....	384	1,800,000	4,680
Bulgaria.....	2,500	658	1,342	80	4,580	6,160,000	1,344
Canada.....	1,039,483	2,028	192,432	128	1,234,071	10,949,000	9
Canary Islands.....	4,773	899	2,251	24	7,947	599,712	75
Cayman Islands.....	47	.....	11	.....	58	6,009	104
Ceylon.....	18,950	2,494	3,709	229	25,382	5,617,000	222
Chile.....	27,068	1,286	9,626	55	38,035	4,507,850	118
China.....	25,343	7,112	9,461	945	42,861	428,640,342	10,000
Chosen.....	2,480	2,700	3,285	5	8,470	22,898,695	2,706
Colombia.....	11,508	2,207	5,690	30	19,435	8,472,584	436
Cook Islands.....	44	.....	41	.....	85	12,208	143
Costa Rica.....	1,916	257	527	7	2,707	565,000	209
Cuba.....	23,714	2,747	13,291	.....	39,752	4,008,069	101
Cyprus.....	2,189*	.....	.....	.....	2,189	347,000	159
Czechoslovakia.....	79,327	2,890	25,082	330	107,629	15,158,000	141
Danzig.....	2,229	26	854	.....	3,146	412,000	131
Denmark.....	96,500	1,750	39,000	25	137,275	3,705,559	27
Dominica.....	67	.....	30	.....	97	46,298	477
Dominican Republic.....	2,000	80	800	.....	2,880	1,478,121	513
Ecuador.....	1,710	518	1,183	18	3,429	2,500,000	728

†Figures from "The American Automobile" 1937 World Motor Census. Included with Trucks.
*Included with Passenger Cars. †As of Jan. 1, 1936. *Not separately available. †Latest available,
January 1, 1934. ‡Jan. 1, 1935.

Vehicles in World

Increase 8% Over Last Year

Division, Department of Commerce, and from The American Automobile)

Country	Passenger Cars	Buses	Trucks	Diesel Powered	Total Registrations	Total Population	Population Per Vehicle
Egypt.....	25,568	1,164	3,589	.....	30,321	15,417,000	509
Eritrea.....	202	.....	93	.....	295	621,621	2,100
Estonia.....	2,425	235	1,808	41	4,509	1,129,801	250
Ethiopia ¹	300	.....	300	10	610	5,500,000	9,020
Faroe Islands.....	29	.....*	87	.....	116	24,200	208
Fiji Islands.....	915	341	313	.....	1,569	197,449	126
Finland.....	20,395	1,932	12,999	201	35,527	3,762,026	106
France.....	1,649,718	37,000	465,000	15,300	2,167,018	41,940,000	19
French Equatorial Africa.....	527	.....¹	738	.....	1,265	3,200,000	2,550
French Guiana.....	109	8	79	.....	196	26,000	133
French Indo-China.....	12,421	1,652	1,474	.....	15,547	22,300,000	1,430
French & Italian Somaliland.....	308	.....	156	.....	464	1,080,815	2,320
French West Africa.....	5,336	12	7,937	.....	13,285	12,078,098	910
Germany.....	1,049,990	11,472	275,000	33,900	1,370,362	67,068,000	49
Gibraltar.....	950	42	162	.....	1,154	18,691	16
Greece.....	7,000	2,080	5,140	280	14,500	6,830,000	472
Grenada.....	392	.....¹	132	2	526	66,302	126
Guadeloupe.....	1,767	65	393	.....	2,225	267,407	120
Guam.....	202	4	225	.....	431	18,509	43
Guatemala.....	2,305	429	753	71	3,558	2,200,000	618
Haiti.....	2,600	280	300	.....	3,180	2,600,000	806
Hawaiian Islands.....	43,161	479	10,413	.....	54,053	384,437	7
Honduras.....	742	8	524	.....	1,274	962,000	754
Hong Kong†.....	3,300	200	950	.....	4,450	944,492	212
Hungary.....	13,986	428	3,980	180	18,574	8,940,742	482
Iceland†.....	600	.....	950	.....	1,550	114,743	74
India and Burma.....	86,005	28,492	15,596	625	130,718	366,800,000	2,812
Netherland India.....	44,918	7,058	10,014	344	62,334	64,450,000	1,034
Iran.....	2,300	250	7,000	35	9,585	15,000,000	1,564
Iraq.....	3,012	325	1,427	7	4,771	3,300,000	692
Irish Free State.....	47,000	620	10,000	250	57,870	3,033,000	52
Italy†.....	290,000	10,000	115,000	.....	415,000	42,966,646	103
Jamaica.....	8,630	137	2,306	18	11,091	1,100,952	99
Japan.....	65,560	28,151	53,155	15	146,881	69,254,148	472
Kwantung.....	1,060	195	740	10	2,005	1,134,074	558
Latvia.....	2,512	267	1,963	.....	4,742	1,950,502	412
Liberia†.....	50	.....¹	75	.....	125	2,500,000	20,000
Libya.....	1,230	45	230	.....	1,505	730,000	485
Lithuania.....	1,354	214	333	130	2,031	2,499,529	1,230
Luxemburg.....	7,204	194	4,062	.....	11,460	296,776	26
Madeira Islands.....	720	170	220	.....	1,110	211,601	190
Malta.....	3,010	861	866	2	4,739	255,185	54
Manchukuo.....	2,150	1,070	1,550	50	4,820	24,040,819	5,000
Martinique.....	2,310	95	544	.....	2,949	234,695	80
Mauritius.....	2,107	138	342	26	2,613	404,190	155
Mexico.....	68,191	4,529	32,650	31	105,401	18,596,000	176
Monaco†.....	1,434	94	305	.....	1,833	22,153	12
Montserrat.....	66	.....	25	.....	91	13,161	145
Morocco, French.....	29,170	1,580	7,525	5	38,280	5,500,000	144
Morocco, International Zone.....	604	45	196	.....	845	60,000	71
Morocco, Spanish§.....	2,000	350	1,400	.....	3,750	795,202	210
Netherlands.....	90,100	3,700	47,300	900	142,000	8,474,409	60
Netherland West Indies.....	1,878	494	896	.....	3,268	83,000	25
New Caledonia.....	84	1	16	.....	101	57,165	572
New Hebrides.....	42	.....	55	.....	97	54,531	563

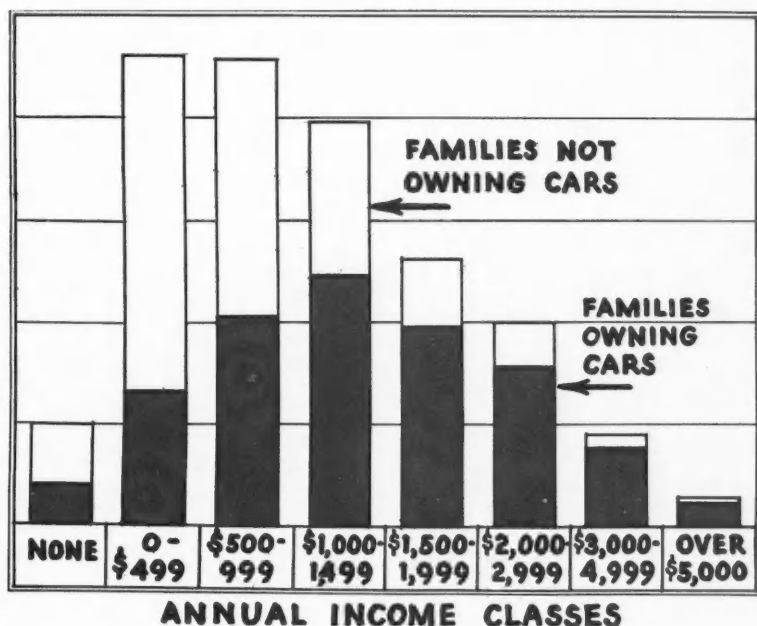
†Figures from "The American Automobile" 1937 World Motor Census. †Included with Trucks.
¹Included with Passenger Cars. ²As of Jan. 1, 1936. *Not separately available. ‡Latest available, January 1, 1934. §Jan. 1, 1936.

World Motor Vehicles 40,286,000

Country	Passenger Cars	Buses	Trucks	Diesel Powered	Total Registrations	Total Population	Population Per Vehicle
New Zealand.....	168,198	559	46,043	49	214,849	1,568,220	7
Newfoundland.....	3,326	15	873	.....	4,214	290,000	69
Nicaragua†.....	575	.....	200	.....	775	829,677	1,069
Norway.....	40,271	2,728	26,858	15	69,872	2,884,300	41
Nyasaland.....	802	12	530	7	1,351	1,603,914	1,188
Palestine.....	6,259	1,271	3,145	.....	10,675	1,261,000	118
Panama and Canal Zone.....	9,656	638	1,454	1	11,749	561,117	48
Papua.....	93	.....	156	.....	249	276,229	1,109
Paraguay†.....	952	377	671	.....	2,000	997,000	498
Peru.....	10,997	790	5,889	119	17,795	6,237,000	351
Philippine Islands.....	28,420	4,436	12,891	28	45,775	13,099,000	286
Poland.....	20,338	1,543	6,689	.....	28,570	33,823,000	1,184
Portugal.....	31,480	1,790	11,000	87	44,357	7,250,000	160
Portuguese East Africa.....	2,723	.....³	1,798	.....	4,521	4,150,000	918
Portuguese Guinea.....	134	.....	308	.....	442	364,929	827
Portuguese Timor.....	44	.....	20	.....	64	474,363	7,410
Puerto Rico ⁴	14,504	.....	3,949	.....	18,453	1,630,000	88
Reunion and Madagascar.....	4,000	.....¹	900	.....	4,900	4,044,933	825
Rumania.....	17,500	3,000	3,500	20	24,020	19,196,071	797
St. Kitts-Nevis.....	263	11	62	.....	336	37,521	112
St. Lucia.....	177	24	22	.....	223	63,804	287
St. Pierre and Miquelon.....	49	.....	10	.....	120	50,321	36
St. Vincent.....	184	29	28	2	243	47,961	197
Salvador, El.....	2,084	207	344	74	2,709	1,600,000	589
Samoa, American.....	16	19	25	.....	60	10,055	168
Samoa, Western.....	112	21	96	.....	229	53,790	235
Seychelles.....	70	.....⁴	10	.....	80	29,406	367
Siam.....	5,019	420	3,855	14	9,308	13,000,000	1,385
Society Islands.....	331	25	110	.....	466	20,000	43
So'omon Islands (British).....	3*	.....	44	.....	47	94,105	2,000
Soviet Russia.....	52,000	4,000	300,000	.....	356,000	170,500,000	479
Spain.....	103,121	11,761	35,515	4,971	155,368	24,249,288	156
Surinam.....	138 ³	12	45	.....	195	164,085	863
Sweden.....	119,303	4,015	44,904	150	168,372	6,294,489	37
Switzerland.....	62,000	1,000	16,400	800	80,200	4,160,000	51
Syria.....	8,553	499	2,178	.....	11,230	3,250,000	289
Taiwan (Formosa).....	1,365	1,342	1,021	.....	3,728	5,212,719	1,398
Tonga†.....	80	.....	47	.....	127	31,589	249
Transjordan.....	284	38	116	.....	438	300,000	685
Trinidad and Tobago.....	4,213	525	2,123	.....	6,861	432,000	63
Tunisia.....	14,050	165	3,111	85	17,411	2,500,000	143
Turkey.....	3,650	800	4,450	26	8,926	16,200,694	1,815
Turks and Caicos Islands.....	12	.....	4	.....	16	5,300	331
Union of South Africa.....	246,724	1,235	33,752	120	281,831	8,600,300	31
United Kingdom.....	13,095*	.....	.....	.....	13,095	93,061	7
Channel Islands.....	1,481,429	33,435	391,005	11,408	1,917,277	37,354,917	20
Isle of Man†.....	3,601	88	.....	.....	3,689	49,338	13
Northern Ireland.....	33,537	619	8,343	198	42,697	1,288,000	30
Scotland.....	129,444	3,452	38,066	2,535	173,497	4,953,000	29
Wales.....	68,870	2,094	19,691	770	91,425	2,593,014	28
Uruguay.....	42,597	941	13,276	80	56,894	2,020,000	35
Venezuela.....	13,000	1,300	7,000	50	21,350	3,451,832	162
Virgin Islands.....	473	20	227	.....	720	22,012	30
Yugoslavia.....	8,876	745	2,777	370	12,768	14,950,000	1,172
Total Outside U. S.....	8,806,748	280,086	2,899,182	79,266	12,065,282	1,944,066,000	161
United States.....	24,098,137	120,504	4,002,650	.....	28,221,291	128,429,000	4.5
WORLD TOTAL.....	32,904,885	400,590	6,901,832	79,266	40,286,573	2,072,495,000	51

* Not separately available. ¹—Included with trucks. ²—Included with Passenger Cars. ³—As of January 1, 1936. ⁴ From "The American Automobile" 1937 World Motor Census. †Latest available, January 1, 1934. ‡ January 1, 1935. —July 1, 1936.

54% of Families in U. S. Own Cars



Survey by Department of Commerce of car-ownership by Income Classes in 18 cities. It should be pointed out that the survey showed 1933 incomes, and hence cars owned by families with no income or very low incomes were bought in some previous year when the family income was greater.

Income Group	Percent of Families in each Income Group				
	Total Families Reporting	Families Owning Cars	Percent of Families Owning Cars	Total Families Reporting	Families Owning Cars
Over \$5000	1,031	951	92.23	1.49	2.54
\$3000- 4999	3,044	2,604	85.54	4.41	6.95
\$2000- 2999	6,971	5,593	80.25	10.10	14.92
\$1500- 1999	9,273	6,730	72.58	13.42	18.00
\$1000- 1499	13,670	8,575	62.71	19.76	22.90
\$ 500- 999	15,819	7,241	45.74	22.85	19.30
\$ 0- 499	15,861	4,646	29.26	22.91	12.39
No Income	3,501	1,126	32.22	5.06	3.00
Total	69,170	37,466	54.17%	100%	100%

2.8% of families own 2 or more cars and one quarter percent of families own 3 or more cars.

9,600,000 Miles of Hi

(Compiled by Automotive-Aeronautics
Figures as of January 1, 1936.

Country	Area Sq. Miles	Road Mileage	Area to 1 Mile of Road	Auto- mobiles	Automobiles to 1 Mile of Road
AMERICA					
Alaska.....	590,884	1,701	347.4	3,534	2.1
Argentina.....	1,153,417	213,779	5.4	247,780	1.2
Bahamas.....	4,404	419	10.5	1,035	2.4
Barbadoes.....	166	473	0.3	2,313	5.0
Bermuda.....	19	101	0.2	65	0.6
Bolivia.....	613,899	7,997 ¹	76.7	4,046	0.5
Brazil.....	3,280,000	93,135	35.2	140,000	1.5
British Guiana.....	89,480	500	178.9	1,500	0.3
British Honduras.....	8,600	131	62.8	214	1.6
Canada.....	3,684,727	410,808	9.0	1,162,948	2.8
Chile.....	286,296	26,695	10.7	35,320	1.3
Colombia.....	497,300	14,637	33.9	16,601	1.1
Costa Rica.....	23,000	1,830	12.5	2,385	1.3
Cuba.....	44,164	2,506	17.6	32,132	12.8
Dominican Republic.....	19,332	1,083	17.9	2,497	2.3
Ecuador.....	174,000	2,710	64.2	2,947	1.1
French Guiana.....	34,740	203	171.1	216	1.1
Guadeloupe.....	688	596	1.2	2,056	3.5
Guatemala.....	42,364	4,020	10.5	2,682	0.6
Haiti.....	10,207	1,337	7.6	2,679	2.0
Honduras.....	46,250	511	90.5	1,539	3.0
Jamaica.....	4,450	6,837	0.7	10,132	1.5
Leeward Islands.....	715	627	1.1	769	1.2
Martinique.....	385	390	0.9	2,691	6.9
Mexico.....	767,258	56,923	13.5	97,517	1.7
Netherland W. Indies.....	403	307	1.3	1,621	5.3
Newfoundland.....	42,734	3,662	11.7	3,762	1.0
Nicaragua.....	49,213	1,670	29.3	741	4.4
Panama and Canal Zone.....	32,388	1,047	30.9	10,683	1.2
Paraguay.....	176,000	3,728	42.2	3,106	0.8
Peru.....	524,800	13,105	40.0	14,360	1.1
Puerto Rico.....	3,435	2,286	1.6	16,386	7.2
Salvador, El.....	13,176	2,796	4.7	2,511	0.9
Trinidad and Tobago.....	1,976	2,370	0.8	6,543	2.8
United States.....	3,026,789	3,065,000	1.0	26,382,321	8.6
Uruguay.....	72,172	22,487	3.2	48,360	2.2
Venezuela.....	393,976	5,667	69.5	16,800	2.1
Virgin Islands.....	132	178	0.7	589	3.3
Windward Islands.....	516	1,169	0.4	928	0.8
Total America.....	15,714,555	3,975,421	4.0	28,284,309	7.1
EUROPE					
Aegean Islands.....	977	249	3.9	382	1.5
Albania.....	17,374	1,665	10.4	769	0.5
Austria.....	32,372	42,098	0.7	36,472	0.8
Azores.....	924	600	1.5	839	1.4
Belgium.....	11,754	20,244	0.6	208,413	10.2
Bulgaria.....	39,825	15,966	2.7	3,001	0.2
Cyprus.....	3,584	2,682	1.3	2,026	0.7
Czechoslovakia.....	54,196	43,378	1.2	125,356	2.9
Danzig.....	830	1,670	0.4	2,821	1.7
Denmark.....	16,574	32,211	0.5	131,611	4.4
Estonia.....	18,376	14,113	1.3	3,876	0.3
Finland.....	132,597	40,156	3.3	33,029	0.8
France.....	212,736	393,761	0.5	2,065,200	5.2
Germany.....	180,989	216,674	0.8	1,122,000	5.2
Gibraltar.....	2	16	0.1	1,093	68.3
Greece.....	50,270	7,619	7.0	14,300	1.9

¹—Includes 3,470 miles of secondary roads passable only in dry weather, and 621 miles of military roads in the Chaco.

Highways in the World

Trade Division, Department of Commerce.
 Mileage of city streets is not included).

Country (Continued)	Area Sq. Miles	Road Mileage	Area to 1 Mile of Road	Auto- mobiles	Automobiles to 1 Mile of Road
Hungary.....	35,911	17,686	2.0	16,082	0.9
Iceland.....	39,709	2,174	18.2	1,550	0.7
Irish Free State.....	26,935	48,066	0.6	54,265	1.1
Italy.....	119,744	151,392	0.7	395,727	2.6
Latvia.....	25,402	20,825	1.2	4,158	0.2
Lithuania.....	21,490	18,890	1.2	2,163	0.1
Luxemburg.....	999	2,558	0.4	10,997	4.3
Malta and Gozo.....	122	583	0.2	3,998	6.8
Netherlands.....	13,213	15,969	0.9	136,575	8.5
Northern Ireland.....	5,237	12,997	0.4	37,317	2.9
Norway.....	125,617	24,972	5.0	62,850	2.5
Poland.....	149,937	204,989	0.6	25,734	0.1
Portugal.....	35,796	19,387	1.8	38,460	1.9
Rumania.....	113,887	68,565	1.7	23,400	0.3
Russia (Inc. Asiatic Russia) ..	8,241,921	1,682,109	4.9	245,600	0.2
Spain.....	195,040	70,760	2.7	194,209	2.7
Sweden.....	173,143	86,395	2.0	159,083	1.8
Switzerland.....	15,944	10,037	1.6	90,090	8.9
United Kingdom.....	89,041	178,507	0.5	2,006,301	11.2
Yugoslavia.....	96,737	31,821	3.0	11,456	0.4
Total Europe.....	10,299,205	3,501,784	2.9	7,271,203	2.1
AFRICA					
Algeria.....	847,528	41,942	19.7	60,480	1.4
Anglo-Egyptian Sudan.....	1,008,000	25,270	39.9	3,208	0.1
Angola (Port. W. Africa).....	484,800	37,928	12.7	2,940	0.1
Belgian Congo.....	920,849	24,783	37.1	4,527	0.2
British South Africa.....	437,950	15,828	27.6	15,043	1.0
British South West Africa... ..	322,400	3,300	97.7	3,086	0.9
Canary Islands.....	3,021	653	4.6	7,757	12.0
Egypt.....	386,000	4,046	95.4	29,046	7.1
Eritrea.....	45,754	2,233	20.5	295	0.1
Ethiopia.....	347,490	2,733	127.7	610	2.2
French Equatorial Africa.....	915,057	14,413	62.2	1,265	0.1
French West Africa.....	1,854,714	27,301	68.8	6,889	0.2
Gambia and Protectorate....	4,134	745	5.5	315	0.4
Gold Coast.....	80,000	4,906	16.3	6,808	1.4
Kenya Colony.....	225,100	9,746	23.1	9,248	0.9
Liberia.....	46,332	234	198.1	144	0.6
Libya.....	422,831	8,342	50.7	1,025	0.1
Madagascar and Reunion....	228,704	13,517	16.9	4,900	3.1
Madeira.....	314	160	1.9	1,038	6.5
Mauritius.....	720	838	0.9	2,446	2.1
Morocco (French).....	162,000	4,825	33.5	27,400	5.7
Morocco (Sp. and Int. Zone)..	9,105	1,383	6.5	4,575	3.3
Mozambique.....	297,734	17,745	16.6	4,113	0.2
Nigeria.....	372,674	19,031	1.9	5,785	0.3
Nyassaland.....	37,890	3,409	11.1	1,315	0.4
Seychelles.....	156	153	1.0	77	0.5
Sierra Leone.....	31,000	1,301	23.8	360	0.3
Somaliland (British).....	68,000	1,000	68.0	141	0.1
Somaliland (French).....	5,790	131	44.2	210	1.6
Somaliland (Italian).....	190,000	6,200	30.6	531	0.1
South Africa (Union of).....	471,917	80,467	5.9	241,705	3.0
Spanish Guinea.....	10,036	406	24.7	.....	.....
Tanganyika.....	373,500	20,585	18.1	3,753	0.2
Tunisia.....	48,300	7,614	6.3	16,268	2.1
Uganda.....	94,024	6,861	13.7	3,900	0.6
Zanzibar and Pemba.....	1,020	243	4.2	564	2.3
Total Africa.....	10,754,844	410,282	26.2	471,767	1.1

9,600,000 Miles of Highways in World

Country (Continued)	Area Sq. Miles	Road Mileage	Area to 1 Mile of Road	Auto- mobiles	Automobiles to 1 Mile of Road
ASIA					
Afghanistan.....	250,965	1,561	160.8	3,450	2.2
Arabia.....	1,000,000	1,055	947.9	3,170	3.0
British India and Burma.....	1,107,358 ¹	287,979	3.9	104,922	0.4
British Malaya.....	52,603	6,048	8.7	36,618	6.0
Ceylon.....	25,332	17,002	1.5	23,783	1.4
China.....	4,300,000 ²	60,538	70.9	47,442	0.8
Chosen.....	85,227	13,770	6.2	7,729	0.6
French Indo-China.....	284,900	25,848	10.9	14,800	0.6
Hong Kong.....	391	391	1.0	4,309	11.0
Iran (Persia).....	628,000	12,278	51.1	8,085	0.7
Iraq.....	143,250	3,411	42.0	5,047	1.2
Japan.....	147,327	665,394	0.2	133,259	0.2
Macao.....	44	66	0.7	381	5.8
Netherland India.....	733,642	35,900	20.4	57,663	1.6
Palestine.....	8,800	1,710	5.2	10,001	5.8
Philippine Islands.....	114,400	9,672	11.8	43,647	4.5
Siam.....	200,149	2,227	90.1	8,466	3.8
Syria.....	74,000	6,362	11.6	10,016	1.6
Taiwan (Formosa).....	13,795	10,019	1.4	3,550	0.3
Trans Jordan.....	20,000	611	32.7	477	0.8
Turkey.....	294,492	23,584	12.5	7,900	0.3
Total Asia.....	9,484,675	1,185,471	8.0	534,715	0.5
AUSTRALIA, NEW ZEALAND AND OCEANIA					
Australia.....	2,974,581	471,392	6.3	644,209	1.4
British North Borneo.....	31,106	231	131.9	250	1.1
British Pacific Islands.....	23,035	305	75.5	238	0.7
Fiji.....	7,083	1,233	5.7	1,534	1.2
French Oceania and New Caledonia.....	10,966	186	58.9	849	5.1
Guam.....	210	66	3.2	350	5.3
Hawaii.....	6,449	2,095	2.1	51,176	16.5
New Zealand.....	103,862	52,000	2.0	190,895	3.6
Samoa (American).....	76	30	2.5	53	1.7
Western Samoa.....	1,235	192	6.4	250	1.3
Total.....	3,158,603	527,730	6.0	889,804	1.7
World Total.....	49,411,882	9,600,688	5.1	37,451,798	3.9

¹—Mileage estimated by "Indian Roads" and Transport Development Association.

²—Does not include Jehol, Chahar and Manchuria.

Imports of Complete Automobiles or Chassis by the World's Producing Countries

(Figures from Automotive-Aeronautics Trade Division, Department of Commerce)

Producing Country	1935	1936	Producing Country	1935	1936
United States.....	591	1,067	Italy.....	444	.....
Canada.....	4,111	9,903	Japan.....	1,944	2,078
Total.....	5,702	10,970	Poland.....	1,508	2,464
Austria.....	844	721	Soviet Russia.....	271	201
Belgium.....	3,349	1,920	Spain.....	22,125	NA
Czechoslovakia.....	722	996	Sweden.....	10,309	14,826
Denmark.....	91,929	22,560	Switzerland.....	9,414	8,894
Finland.....	3,044	.....	United Kingdom.....	15,404	15,334
France.....	1,817	1,403	Total (excluding U. S. and Canada).....	81,952	60,762
Germany.....	7,500	6,618	All producing countries	87,654	71,732
Hungary.....	1,728	2,747			

¹—The 1935 figures include new and used vehicles and the 1936 imports 606 used vehicles. Separate figures for new vehicles not available prior to 1936.

²—In addition a number of units were imported as parts for assembly: of these units, 7,021 were re-exported in 1935 and 8,852 in 1936.

³—First 9 months.

⁴—Metric tons.

⁵—Includes tractors.

Members of Automobile Manufacturers Association

Passenger Car Manufacturers

Trade Name	Member or Manufacturer	Address
Auburn	Auburn Automobile Company	Connersville, Ind.
Buick	Buick Motor Division*	Flint, Mich.
Cadillac	Cadillac Motor Car Division*	Detroit, Mich.
Chevrolet	Chevrolet Motor Division*	Detroit, Mich.
Chrysler	Chrysler Sales Corporation	Detroit, Mich.
Cord	Auburn Automobile Company	Connersville, Ind.
De Soto	De Soto Motor Corporation	Detroit, Mich.
Dodge	Dodge Brothers Corporation	Detroit, Mich.
Duesenberg	Duesenberg, Inc.	Indianapolis, Ind.
Graham	Graham-Paige Motors Corporation	Detroit, Mich.
Hudson	Hudson Motor Car Company	Detroit, Mich.
Hupmobile	Hupp Motor Car Corporation	Detroit, Mich.
LaFayette	Nash-Kelvinator Corporation	Kenosha, Wis.
LaSalle	Cadillac Motor Car Division*	Detroit, Mich.
Nash	Nash-Kelvinator Corporation	Kenosha, Wis.
Oldsmobile	Olds Motor Works Division*	Lansing, Mich.
Packard	Packard Motor Car Company	Detroit, Mich.
Pierce-Arrow	The Pierce-Arrow Motor Corporation	Buffalo, N. Y.
Plymouth	Plymouth Motor Corporation	Detroit, Mich.
Pontiac	Pontiac Motor Division*	Pontiac, Mich.
Studebaker	The Studebaker Corporation	South Bend, Ind.
Terraplane	Hudson Motor Car Company	Detroit, Mich.
Willys	Willys-Overland Motors, Inc.	Toledo, Ohio

*General Motors Corporation.

Taxicab Manufacturers

Checker	Checker Cab Mfg. Corporation	Kalamazoo, Mich.
G. M. C.	Yellow Truck and Coach Manufacturing Company	Pontiac, Mich.

Ambulance and Funeral Vehicle Manufacturers

Auburn	Auburn Automobile Company	Connersville, Ind.
Cadillac	Cadillac Motor Car Division*	Detroit, Mich.
Packard	Packard Motor Car Company	Detroit, Mich.
Studebaker	The Studebaker Corporation	South Bend, Ind.

Motor Fire Apparatus Manufacturers

Corbitt	The Corbitt Company	Henderson, N. C.
Mack	Mack Brothers Motor Car Company	Long Island City, N. Y.
Walter	Walter Motor Truck Company	Ridgewood, N. Y.
White	The White Motor Company	Cleveland, Ohio.

Members of Automobile Manufacturers Association

Motor Truck Manufacturers

Including Light Commercial Vehicle and Station-Wagon Manufacturers

Trade Name	Member or Manufacturer	Address
Autocar	The Autocar Company	Ardmore, Pa.
Chevrolet	Chevrolet Motor Division, General Motors Corp.	Detroit, Mich.
Corbitt	The Corbitt Company	Henderson, N. C.
Diamond T	Diamond T Motor Car Company	Chicago, Ill.
Dodge	Dodge Brothers Corporation	Detroit, Mich.
Federal	Federal Motor Truck Company	Detroit, Mich.
G. M. C.	Yellow Truck and Coach Manufacturing Company	Pontiac, Mich.
Indiana	The White Motor Company	Cleveland, Ohio
International	International Harvester Company	Chicago, Ill.
LaFrance-Republic	Sterling Motor Truck Company	Milwaukee, Wis.
Mack	Mack Brothers Motor Car Company	Long Island City, N. Y.
Plymouth	Plymouth Motor Corporation	Detroit, Mich.
Reo	Reo Motor Car Company	Lansing, Mich.
Sterling	Sterling Motor Truck Company	Milwaukee, Wis.
Stewart	Stewart Motor Corporation	Buffalo, N. Y.
Studebaker	The Studebaker Corporation	South Bend, Ind.
Stutz Pak-Age-Car	Stutz Motor Car Co. of America, Inc.	Indianapolis, Ind.
Terraplane	Hudson Motor Car Company	Detroit, Mich.
Walter	Walter Motor Truck Company	Ridgewood, N. Y.
White	The White Motor Company	Cleveland, Ohio
Willys	Willys-Overland Motors, Inc.	Toledo, Ohio

Motor Bus Manufacturers

Federal	Federal Motor Truck Company	Detroit, Mich.
G. M. C.	Yellow Truck and Coach Manufacturing Company	Pontiac, Mich.
Indiana	The White Motor Company	Cleveland, Ohio
I. H. C.	International Harvester Company	Chicago, Ill.
Mack	Mack Brothers Motor Car Company	Long Island City, N. Y.
Pierce-Arrow	Pierce-Arrow Motor Corporation	Buffalo, N. Y.
Reo	Reo Motor Car Company	Lansing, Mich.
Stewart	Stewart Motor Corporation	Buffalo, N. Y.
Studebaker	The Studebaker Corporation	South Bend, Ind.
White	The White Motor Company	Cleveland, Ohio

Trailer Manufacturers

Corbitt	The Corbitt Company	Henderson, N. C.
Diamond T	Diamond T Motor Car Company	Chicago, Ill.
G. M. C.	Yellow Truck and Coach Manufacturing Company	Pontiac, Mich.
Mack	Mack Brothers Motor Car Company	Long Island City, N. Y.
Reo	Reo Motor Car Company	Lansing, Mich.
White	The White Motor Company	Cleveland, Ohio

Organization of Automobile Manufacturers Association

A list of Directors and Officers is given on page two

ADVERTISING COMMITTEE

BYRON C. FOY, *Chairman*.....DeSoto Motor Corporation
H. T. DE HART.....Mack Bros. Motor Car Company
J. W. DINEEN.....General Motors Corporation
F. H. MCKINNEY.....Packard Motor Car Company
W. W. ROMAINE.....Plymouth Motor Corporation
STEPHEN D. BRYCE, Jr., *Secretary*

EXPORT COMMITTEE

ROBERT C. GRAHAM, *Chairman*.....Graham-Paige Motors Corporation
B. C. BUDD.....Packard Motors Export Corporation
A. L. FRANK.....The Studebaker Export Corporation
ALLEN C. GERMANN.....Hudson Motor Car Company
GRAEME HOWARD (E. C. Riley*).....Overseas Operations, General Motors Corporation
W. LEDYARD MITCHELL (C. B. Thomas*).....Export Division, Chrysler Corporation
L. P. THAYER.....International Harvester Company
GEORGE F. BAUER, *Secretary*

*Alternate.

HIGHWAYS COMMITTEE

JAMES D. MOONEY, *Chairman*.....General Motors Corporation
A. EDWARD BARIT.....Hudson Motor Car Company
R. F. BLACK.....The White Motor Company
JOSEPH E. FIELDS.....Chrysler Corporation
ROBERT C. GRAHAM.....Graham-Paige Motors Corporation
PYKE JOHNSON, *Secretary*

INSURANCE COMMITTEE

MILTON TIBBETTS, *Chairman*.....Packard Motor Car Company
A. C. ANDERSON.....General Motors Corporation
ANDREW HOOD.....Hudson Motor Car Company
GEORGE L. BROWN.....Reo Motor Car Company
R. P. FOHEY.....Chrysler Corporation
A. G. RUMPF.....The Studebaker Corporation
J. S. MARVIN, *Secretary*

LEGISLATIVE COMMITTEE

C. J. JOLLY, *Chairman*.....General Motors Corporation
W. H. BREARLEY.....The Autocar Company
D. C. FENNER.....Mack Bros. Motor Car Company
R. P. FOHEY.....Chrysler Corporation
MILTON TIBBETTS.....Packard Motor Car Company
HARRY MEIXELL, *Secretary*

MANUFACTURERS COMMITTEE

WILLIAM S. KNUDSEN, *Chairman*.....General Motors Corporation
G. T. CHRISTOPHER.....Packard Motor Car Company
E. F. FISHER.....Fisher Body Division, General Motors Corporation
K. T. KELLER.....Chrysler Corporation
R. E. STONE.....Graham-Paige Motors Corporation
IRA B. SWEGLES.....Hudson Motor Car Company
WILLIAM J. CRONIN, *Secretary*

MOTOR TRUCK COMMITTEE

WM. F. MCAFEE, *Chairman*.....International Harvester Company
I. B. BABCOCK.....Yellow Truck and Coach Manufacturing Company
R. F. BLACK.....The White Motor Company
J. D. BURKE.....Dodge Brothers Corporation
DAVID C. FENNER.....Mack Bros. Motor Car Company
W. E. FISH.....Chevrolet Motor Division, General Motors Corporation
ROBERT P. PAGE, JR.....The Autocar Company
ELIJAH G. POXSON.....Reo Motor Car Company
MARTIN L. PULCHER.....Federal Motor Truck Company
ARTHUR C. BUTLER, *Secretary*

(Continued on following page)

Organization of Automobile Manufacturers Association

(Continued from preceding page)

PATENTS COMMITTEE

F. J. HAYNES, *Chairman*.....Detroit, Michigan
J. KING HARNESS.....Chrysler Corporation
JAMES McEVOY.....General Motors Corporation
H. S. VANCE.....The Studebaker Corporation
GEORGE C. ARVEDSON, *Department Manager*

SAFETY TRAFFIC COMMITTEE

PAUL G. HOFFMAN, *Chairman*.....The Studebaker Corporation
LEE J. EASTMAN.....Packard Motor Car Company
DAVID C. FENNER.....Mack Bros. Motor Car Company
R. P. FOHEY.....Chrysler Corporation
PAUL W. GARRETT.....General Motors Corporation
ROBERT P. PAGE, JR.....The Autocar Company
NORMAN DAMON, *Secretary*

SALES MANAGERS COMMITTEE

R. H. GRANT, *Chairman*.....General Motors Corporation
W. R. TRACY.....Hudson Motor Car Company
C. H. BLISS.....Nash-Kelvinator Corporation
J. E. FIELDS.....Chrysler Corporation
M. M. GILMAN.....Packard Motor Car Company
PAUL G. HOFFMAN.....The Studebaker Corporation
J. W. DINEEN, *Secretary*

SHOW COMMITTEE

BYRON C. FOY, *Chairman*.....DeSoto Motor Corporation
R. H. GRANT.....General Motors Corporation
PAUL G. HOFFMAN.....The Studebaker Corporation
ALFRED REEVES, *Show Manager*

TRADE PROMOTION COMMITTEE

ALFRED P. SLOAN, JR., *Chairman*.....General Motors Corporation
A. EDWARD BARIT.....Hudson Motor Car Company
WALTER P. CHRYSLER.....Chrysler Corporation
PAUL G. HOFFMAN.....The Studebaker Corporation
ALVAN MACAULEY.....Packard Motor Car Company
CHARLES W. NASH.....Nash-Kelvinator Corporation

TRAFFIC COMMITTEE

WALTER P. CHRYSLER.....Chrysler Corporation
ROBERT C. GRAHAM.....Graham-Paige Motors Corporation
J. S. MARVIN, *Department Manager*

REPRESENTATIVE ON HIGHWAY EDUCATION BOARD

ROBERT C. GRAHAM.....Graham-Paige Motors Corporation

INFORMATION DEPARTMENT

STEPHEN D. BRYCE, JR., *Manager*

STATISTICAL DEPARTMENT

O. P. PEARSON, *Manager*

DETROIT OFFICE

KENNETH A. MOORE

WASHINGTON OFFICE

PYKE JOHNSON

Associations of the Automobile Industry

AUTOMOBILE MANUFACTURERS ASSOCIATION, INC.

GENERAL OFFICES: 366 Madison Avenue, New York, N. Y.; branches: General Motors Building, Detroit, Mich., and Transportation Building, Washington, D.C.

PRESIDENT: Alvan Macauley, President, Packard Motor Car Company.

VICE PRESIDENT AND GENERAL MANAGER: Alfred Reeves.

The Automobile Manufacturers Association, which is the organization through which the motor vehicle manufacturers of the United States cooperate on matters of common interest, was organized in 1913 under the name of the National Automobile Chamber of Commerce (name changed to present one in 1934). The Association is the successor of the National Association of Automobile Manufacturers, the Automobile Board of Trade and the Association of Licensed Automobile Manufacturers.

OBJECT: To represent the manufacturers of motor vehicles in all matters where cooperative activity is proper, efficient and economical and to serve as the clearing house for research and information on all subjects relating to highway transportation.

The scope of the Association's work is indicated by the following list of some of its current activities:

ACTIVITIES:

Administers the Cross-Licensing Agreements program under which members have pooled 1700 patents for use by other members without payment of royalty. This activity was designated in the 1930 American Trade Association Executives award competition as the most outstanding service performed by any trade association.

Through a comprehensive Employment Stabilization program, is seeking to reduce seasonal fluctuations in the industry's operations, thus making possible more regular and continuous employment with greater annual earnings for workers.

Conducts researches on all subjects relating to the manufacture, sale and operation of motor vehicles including: markets; factory employment; legislation; safety; highway construction and finance; foreign trade; commercial highway transportation; taxation; rail, highway and ocean freight traffic; and patents.

Manages the National Automobile Show in New York.

Publishes "Automobile Facts and Figures," "Motor Truck Facts" and other special literature dealing with various phases of highway transportation.

Is conducting a comprehensive nationwide program for the promotion of greater traffic safety.

Maintains the most complete automotive library in existence for use of members.

Studies rail and steamship transportation rates and service and seeks to develop maximum efficiency and economy in the movement of automotive freight.

Aids in promoting sound and equitable legislative principles relating to highway transportation.

Encourages the development of highway facilities throughout the world on a sound economic basis.

Upon invitation, sends representatives to foreign countries to aid in the development of highway transportation.

Maintains regional information offices in Detroit and Washington.

Members of the Association classified according to numbers of makes of vehicles produced are grouped as follows: passenger cars, 23; motor trucks, 21; taxicabs, 2; buses, 9; special vehicles such as fire apparatus, ambulances and funeral cars, 8.

American Automobile Association

NATIONAL HEADQUARTERS: Pennsylvania Avenue at 17th Street, N. W., Washington, D. C.

PRESIDENT: Thos. P. Henry, 41 Burroughs Avenue, Detroit, Mich.

GENERAL MANAGER: Russell E. Singer.

The world's largest motor federation—composed of 800 motor clubs and approximately 750,000 members. It is a national civic body, operating without personal profit and officered by responsible business and professional men.

OBJECTS: Its objects, briefly stated, are:

To unite in one body all the automobile clubs and individual motorists in the country.

To secure reasonable and just legislation and to aid in proper enforcement of automobile laws and ordinances.

To secure the construction and maintenance of a system of highways adequate to the needs of motor transport.

To encourage travel by automobile, bus, steamship and air, and to secure, prepare, and disseminate information relative thereto.

To support sportsmanlike contests and other movements that will advance motoring interests.

To develop service to motorists through clubs.

To promote highway safety by motorists and pedestrians, and to develop it among children through safety lessons and school boy patrols.

To facilitate touring by Americans in foreign countries, furnish customs papers driving licenses and necessary documents.

Associations of the Automobile Industry (Continued)

American Motorists Association

ADMINISTRATIVE OFFICES: 1643 Connecticut Avenue, N. W., Washington, D. C.

PRESIDENT: J. Borton Weeks, 260 North Broad St., Philadelphia, Pa.

GENERAL MANAGER: Thomas J. Keefe, 1643 Connecticut Avenue, N. W., Washington, D. C.

A non-profit service organization. Membership nearly 300,000.

OBJECTS are to aid in the organization and maintenance of automobile associations and clubs to promote the welfare of motorists; to compile and distribute information on touring, roads and laws; to promote good roads, safety on the highway, in short, any and all activities in the interest of motorists.

American Trucking Associations, Inc.

GENERAL OFFICES: 1039 Investment Building, Washington, D. C.

PRESIDENT: Ted V. Rodgers.

MANAGER: John V. Lawrence.

The American Trucking Associations, Inc., organized in Washington in September, 1933, is composed of 52 regional, state and local motor truck associations, representing throughout the country ownership, by all types of operators, in excess of 500,000 trucks. It is a federation of associations, operating without profit and officered by truck operators for the purpose of promoting the best interests of the Trucking Industry.

It is the recognized national spokesman for the Trucking Industry and contacts regularly all Federal departments in which arise matters pertaining to trucking and other forms of transportation.

Automotive Electric Association

GENERAL OFFICES: 800 Michigan Theatre Building, Detroit, Mich.

PRESIDENT: Hugh H. C. Weed, Carter Carburetor Corporation, St. Louis, Mo.

EXECUTIVE SECRETARY: A. R. Sandt, 800 Michigan Theatre Building, Detroit, Mich.

An international association of manufacturers, distributors and authorized service stations organized to safeguard and promote the welfare of specialized service in the automotive industry.

Automotive Parts and Equipment Manufacturers, Incorporated

GENERAL OFFICES: 800 Michigan Theatre Building, Detroit, Mich.

PRESIDENT: C. C. Carlton, Motor Wheel Corporation, Lansing, Mich.

GENERAL MANAGER: Clarence O. Skinner, 800 Michigan Theatre Building, Detroit, Mich.

A national association of manufacturers of automotive parts and equipment. Has seven divisions: Original Equipment, Replacement Parts, Accessories, Shop Equipment, Service Tools, Electrical Equipment, and Internal Combustion Engines.

Maintains statistical and legal departments and engages in all activities for the promotion and protection of the best interests of industry, through cooperation among the members and otherwise.

Automotive Safety Foundation, Inc.

HEADQUARTERS: 366 Madison Ave., New York, N. Y.

PRESIDENT: Paul G. Hoffman, President, The Studebaker Corp.

VICE PRESIDENTS: C. C. Carlton, President, Automotive Parts & Equipment Manufacturers; F. B. Davis, Jr., President, U. S. Rubber Co.; A. O. Dietz, President, Commercial Investment Trust.

SECRETARY-TREASURER: Byron C. Foy, President, De Soto Motor Corporation.

ASSISTANT TREASURER: Alfred Reeves, Vice-President and General Manager, Automobile Manufacturers Association.

DIRECTOR: Norman Damon.

PURPOSE: To encourage safe and efficient use of streets and highways; stimulate research into causes of highway accidents and disseminate information on safe use of motor vehicles, effective methods of preventing accidents, means of relieving congestion and facilitating traffic with safety.

Automotive Trade Association Managers

GENERAL OFFICES: Inquirer Building, 400 N. Broad St., Philadelphia, Pa.

PRESIDENT: Herbert Buckman.

VICE-PRESIDENT: H. H. Stuart.

SECRETARY-TREASURER: W. P. Berrien.

A National Association composed of managers of state and local automobile dealer associations, and of automobile shows sponsored by these local organizations.

Motor and Equipment Manufacturers Association

EXECUTIVE HEADQUARTERS: Fisk Building, 250 West 57th Street, New York.

PRESIDENT: Burt G. Close, Vice President, King Quality Products Co., St. Louis, Mo.

GENERAL MANAGER: Albert H. Eichholz, Fisk Bldg., New York, N. Y.

National organization, functioning since 1904, representing interests of manufacturers of original equipment, replacement parts, accessories, shop equipment, service tools, and chemicals for the automobile, automotive, aircraft and marine fields. Maintains credit, export, sales development, trade and national shows, legislation and group activities departments.

Motor and Equipment Wholesalers Association

EXECUTIVE HEADQUARTERS: Daily News Bldg., 400 W. Madison St., Chicago, Ill.

PRESIDENT: G. N. Lockridge, Kansas City Automobile Supply Co., Kansas City, Mo.

GENERAL MANAGER: B. W. Ruark, 400 W. Madison St., Chicago, Ill.

National organization representing interests of automotive jobbers, distributing merchandise generally as follows: Parts, equipment, accessories, and supplies in the automotive, aircraft and marine line.

Maintains an information bureau for members and disseminates information pertinent to operations of the automotive jobbing industry.

Conducts Collection Service, Adjustment Bureau, Merchandise Exchange Department, and Interchange of Members' Experiences Department.

Through regional association groups correlates jobber opinion on matters of trade interest and conducts a continuous national information distribution service through means of regional key line distribution charts.

Motor Vehicle Conference Committee

OFFICES: 366 Madison Avenue, New York City.

CHAIRMAN: D. C. Fenner.

SECRETARY: Harry Meixell.

Organized in 1919 and composed of representatives from National organizations identified with the motor vehicle industry. This committee acts as a clearing house for the legislative problems which, in increasing numbers, are confronting the individual members of its component organizations.

(Association list continued on following page)

Associations of the Automobile Industry (Continued)

National Automobile Dealers Association

GENERAL OFFICES: Hotel Statler, Detroit, Mich.
PRESIDENT: E. M. Lied, Omaha, Neb.
GENERAL MANAGER: Arnon N. Benson, Detroit, Mich.
TREASURER: L. M. Stewart, St. Louis, Mo.
SECRETARY: Herman Wangelin, Belleville, Ill.

OBJECT is promotion of automobile dealer business, constructive publicity on dealer aims, maintenance of high merchandising standards, research on selling opportunities of the business, study of markets and dissemination of facts concerning the same, opposition to harmful legislation, support of good legislation, promotion of good roads.

National Association of Sales Finance Companies

GENERAL OFFICES: 360 N. Michigan Avenue, Chicago, Ill.

PRESIDENT: Glenn B. Ryman, Atlanta, Ga.
EXECUTIVE VICE-PRESIDENT: John R. Walker.
SECRETARY: Milan V. Ayres.

A national organization representing automotive financing and insuring interests along the following lines: Advocates sound credit terms. Defends installment selling. Opposes vicious state and national legislation and promotes desirable legislation. Distributes valuable data in the shape of educational, legal, statistical, and trade bulletins and briefs. Secures material reduction in cost of essential services used by members. Arranges for interchange of service between members in collection and credit work and location of seized and embezzled motor vehicles.

National Association of Motor Bus Operators

PRESIDENT: A. M. Hill, 1100 Kanawha Valley Bldg., Charleston, W. Va.
VICE-PRESIDENT: E. W. Wakelee, 80 Park Place, Newark, N. J.

SECRETARY-MANAGER: John M. Meighan, 831 Tower Building, Washington, D. C.

Membership in the National Association of Motor Bus Operators is open to all operators of motor buses, to state associations of motor bus operators, and to manufacturers, distributors and other persons, firms, or corporations having dealings of a general nature with operator members of the Association.

All activities that promote the welfare and prosperity of motor bus operators and of the bus industry as a whole are within the scope of the Association's program. These include national, state and municipal legislation, important litigation, the collection and dissemination of bus operating cost and tax data, and the distribution to the public of facts on the economy and convenience of bus travel.

National Association of Taxicab Owners

HEADQUARTERS: 500 North Dearborn Street, Chicago, Ill.

PRESIDENT: A. L. Belle Isle, Atlanta, Ga.
SECRETARY: J. G. Williams, Chicago, Ill.

PURPOSES

To afford our members a medium of cooperation. To collect and disseminate information that promotes the economical conduct of the taxicab business.

National Highway Users Conference

HEADQUARTERS: National Press Building, Washington, D. C.

CHAIRMAN: Alfred P. Sloan, Jr., Chairman of the Board, General Motors Corporation, New York, N. Y.

VICE-CHAIRMAN: Thomas P. Henry, President, American Automobile Association.

SECRETARY-TREASURER: L. J. Taber, Master, The National Grange.

DIRECTOR: Roy F. Britton, National Press Bldg., Washington, D. C.

Encourages the development of equitable policies of taxation for the use of public highways and endeavors to prevent imposition of unjust burdens upon highway traffic.

Serves as a clearing house for information on proposed national, state and municipal legislation affecting motor vehicle taxation and regulation and highway construction.

National Standard Parts Association

GENERAL OFFICES: 1420 United Artists Building, Detroit, Mich.

PRESIDENT: L. F. Hunderup, Van Norman Machine Tool Co., Springfield, Mass.

EXECUTIVE VICE-PRESIDENT: E. P. Chalfant, 1420 United Artists Building, Detroit, Mich.

MEMBERSHIP comprises corporations, firms or persons engaged in manufacturing and/or jobbing standard brands of automotive service parts, materials, shop tools and equipment.

OBJECTS: The objects of the Association are to promote an enlarged acquaintance and a more friendly intercourse among its members and in all reasonable, lawful and proper ways to promote the best interests of the automotive service parts trade.

The Rubber Manufacturers Association, Incorporated

GENERAL OFFICES: 444 Madison Avenue, New York City.

CHAIRMAN OF THE BOARD: A. F. Townsend, Raybestos-Manhattan, Inc.

PRESIDENT AND GENERAL MANAGER: A. L. Viles.
SECRETARY: R. H. Goebel.

A national trade organization embracing rubber manufacturers of the United States.

Its membership consists of 150 firms, and its object is to promote in all lawful ways the commercial interests of its members, and secure the advantages to be obtained through mutual co-operation, also to stimulate social intercourse among those connected with the rubber industry and commerce and in general for the promotion of the welfare of the rubber industry.

Society of Automotive Engineers, Inc.

GENERAL OFFICES: 29 W. 39th St., New York City.

PRESIDENT: H. T. Woolson, Detroit, Mich.
SEC'Y AND GEN'L MANAGER: John A. C. Warner.

OBJECT of the Society is to promote the arts, sciences, standards, and engineering practices connected with the design, construction and utilization of automotive apparatus, all forms of self-propelled or mechanically propelled mediums for the transportation of passengers or freight, and internal combustion prime-movers. Publications are: *Transactions* (annual); *S. A. E. Membership Roster* (annual); *The S. A. E. Journal* (monthly); and *S. A. E. Handbook, Standards and Recommended Practices* (published annually).

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